

SANTA ROSA JUNIOR COLLEGE

THE CATALOG 2026/2027

www.santarosa.edu

TABLE OF CONTENTS

President's Message 10
Academic Calendar 11
About SRJC 13
- Accreditation 13
- Academic Integrity Statement 13
- Disclaimer 13
- History of Sonoma County Junior College District 13
- Vision, Mission Statement, Values 14
- Institutional Learning Outcomes 14
- Land Acknowledgement Statement 15
- Non-Discrimination Statement 15
- Santa Rosa Campus 16
- Petaluma Campus 16
- Public Safety Training Center 17
- B. Robert Burdo Culinary Arts Center 18
- Shone Farm 18
- SRJC Roseland 19

Admissions and Registration 20
- The Benefits of Attending SRJC 20
- Application for Admission 21
- High School Dual Enrollment Students 21
- High School Dual Enrollment During Bell Schedule (CCAP) 22
- International Students in F-1 Visa Status 22
- Admissions and Dual Enrollment 22
- Admission and Dual Enrollment of High School and Other Young Students 23
- Airforce Reserve Officer Training Corps (AFROTC) 26
- Assessment 26
- Auditing Classes 26
- Bear Cub Hub 27
- Continuing Education 27
- Course Registration and Add Codes 27
- Fee Schedule and Information 27
- Independent Study Courses (Courses numbered 49 and 98) 29
- Open Classes 30
- Petition for Waiver of College Regulations 30
- Refunds 30
- Registration Priority 30
- Reinstatement in a Class 30
- Remedial Coursework Unit Limitation 31
- Residency Requirements 31
- Schedule of Classes 33
- Student Classification 33
- Student Load 33
- Unit Defined 33
- Unit Limitations 33
- Work/Study Loads 33

Rights, Responsibilities, Policies and Regulations 34
- Academic Freedom 34
- Academic Honors 34
- Academic Integrity 34
- Attendance Requirements 36
- Campus Crime Reporting and Campus Security Act (Clery Act) 37
- Changes in Requirements 37
- Copyright Policy 37
- Credit for Prior Learning 37
- Directory Information 40
- District Policies and Procedures 40
- District Regulations 40
- Educational Leaves & Students in the Military 42
- Faculty Members' Obligation to Student 43
- Family Educational Rights and Privacy Act of 1974 (FERPA) 44
- Gender Equity 44
- Grade Changes 44
- Grade Point Average (GPA) 44
- Grade Reports 45
- Grading Policy 45
- Multiple and Overlapping Enrollments 48
- Probation, Dismissal, Readmission, and Renewal 49
- Repetition of Courses 50
- Student Complaint/Grievance 51
- Student Conduct and Discipline Due Process 54
- Student Equity 59
- Student Obligations and Responsibilities 59
- Student Right to Know 59
- Student Success and Support Program 60
- Taxpayer Relief Act of 1997 (Education Tax Credit) 61
- Title IX: Sexual Misconduct Prevention & Response 62
- Transcripts 62
- Unlawful Discrimination and Sexual Harassment 62
- Verifications 62
- Wait Lists 63

College Community 64
Bookstores 64
CalWORKs 65
Campus Tours 65
Career Hub 65
Children's Center 65
Community Engagement 66
Counseling Services 66
Dental Hygiene Clinic 66
Disability Resources Department 67
Distance Education and Online Learning at SRJC 67
District Police 68
Dream Center 68
Extended Opportunity Program and Services (EOPS) 68
Financial Aid 69
Forensics Team 70
Foster Youth Programs 70
Gallery and Museum 70
Health Sciences 71
High School Career Pathways to SRJC 71
High School Equivalency Program (HEP) 71
Hispanic Serving Institution 71
Honor Societies 71
Hope Program 72
Intercollegiate Athletics 73
Job Development 73
Learning Communities at SRJC 73
Library and Media Services 74
Lifelong Learning 74
Lumafest 74
Mathematics, Engineering, Science Achievement (MESA) Program 74
Our House Intercultural Center (SRJC Petaluma) 75
Peer Assisted Learning Specialist (PALS) Program 75
Performing Arts 75
Petaluma Film Alliance 75
Piner Early College Magnet Program 75
Puente Project 76
SRJC District Sustainability Committee 76
Student Affairs 76
Student Employment 78
Student Health Services 78
Student Housing 79
Student Publications 79
Study Abroad 79
Success Team (SRJC Petaluma) 79
Transfer Center 79
Tutorial Center 81
Veterans' Benefits 81
Welcome & Connect Center 82
Work Experience 82
Scholarships 83
Santa Rosa Junior College Foundation 83
Scholarships and Awards 83
Degree, Major, and Certificate Programs 84
Associate in Arts and Associate in Science Degrees 84
Associate Degree for Transfer 84
General Education Statement of Philosophy 85
Degree Requirements 85
Catalog Rights For Majors 86
Continuous Enrollment 86
Degree Honors 86
Additional Associate's Degrees 86
Transfer Credit Evaluation 86
General Education- 2026-27 Cal-GETC GE 87
General Education- 2026-27 SRJC Associate Degree Graduation Requirements (Local GE) 91
Current and Past GE Patterns 97
Major Requirements 97
The SRJC Major and Transfer 98
The Career Education Major and the Certificate of Achievement 98
The Career Education Major and Selection Processes 98
Multiple Majors 98
Coursework Requirements and the Major 98
Term Effective and the Major 98
Certificates in the Credit Program 98
The Certificate of Achievement and the Major (degree program) 99
The Certificate of Achievement and Selection Processes 99
Certificates in the Non-Credit Program 99
Certificate Requirements 99
Term Effective and the Certificate 100
Catalog Rights for Certificates 100
Majors 101

Administration of Justice (AS-T) 102
Administrative Assistant (AS) 103
Advanced Manufacturing Tech (AS) 104
AGEH: Landscape Constr & Maint (AS) 105
AGEH: Landscape Design (AS) 106
Agriculture Animal Science (AS-T) 106
Agriculture Business (AS-T) 107
Agriculture Plant Science (AS-T) 108
AGVI: Viticulture (AS) 109
AGWS: Enology (AS) 110
AGWS: Wine Marketing and Sales (AS) 110
Anthropology (AA) 111
Anthropology (AA-T) 112
Architecture (AS) 113
ArlRmotSnsng&Photogrammtry (AS) 114
Art (AA) 114
Art History (AA-T) 115
Automotive Diagnostics (AS) 117
Automotive Technology (AS) 118
Biology (AS) 120
Biology (AS-T) 120
Business Administration 2.0 (AS-T) 121
Business: Accounting (AS) 122
Business: Human Resources (AA) 123
Business: Real Estate (AA) 124
CA: Culinary Arts & Rest. Ops. (AA) 124
Chemistry (AS) 126
Child Development (AA) 127
Civil Engineering Technology (AS) 128
Commercial Music (AA) 129
Communication Studies 2.0 (AA-T) 130
Constructn Managmnt Fundamntls (AS) 131
CS Computer Science (AS) 132
CS Cybersecurity (AS) 132
CS Game Development (AS) 133
CS Graphic Design (AA) 134
CS Virtual Production RVPA (AA) 135
CS Web and Multimedia (AA) 136
CS Web Full-Stack Developer (AS) 137
Dance (AA) 138
Dental Hygiene (AS) 139
DM: 3D Modeling & Animation (AS) 140
Early Childhood Education (AS-T) 141
Economics (AA-T) 142
Electrical Union Apprentice (AS) 143
Elementary Teacher Education: Integrated Programs (AA-T) 144
Engineering (AS) 145
English (AA-T) 145
Environmental Studies (AA) 146
Fashion Design (AA) 148
Film Studies (AA) 149
Film, Television, & Electronic Media (AS-T) 149
Fire Science - Company Officer (AS) 150
Fire Technology (AS) 151
Fitness and Health Coach (AA) 152
Floral Design (AA) 153
French (AA) 154
Hemp Agriculture (AS) 155
History (AA-T) 156
Hospitality Management (AS-T) 157
Humanities (AA) 158
HVAC Refrigeration Apprentice (AS) 160
HVACR Fundamentals (AS) 161
Interior Design (AA) 162
Journalism (AA-T) 162
Journalism: Digital (AS) 163
Kines: Sports Medicine Prep (AA) 164
Kinesiology (AA) 165
Kinesiology (AA-T) 167
Latin American Studies (AA) 170
Mathematics (AS) 170
Mathematics (AS-T) 171
Mchtroncs:IndustrlMntnncTchncn (AS) 172
Mechatronics Technician (AS) 172
Medical Assisting (AS) 173
Medium Heavy Truck Technology (AS) 174
Music (AA) 175
Music (AA-T) 177
Native American Studies (AA) 178
Natural Resources (AS) 179
Natural Sciences (AS) 180
Nursing ADN (AS) 182
Nutrition & Dietetics (AA) 183
Nutrition and Dietetics (AS-T) 184

Paralegal Studies (AA) 185
Paramedic (AS) 186
Pharmacy Technician (AS) 187
Philosophy (AA) 188
Philosophy (AA-T) 189
Physics (AS) 190
Physics (AS-T) 191
Political Science (AA) 191
Political Science (AA-T) 192
Pre-Allied Health (AS) 193
Pre-Veterinary Studies (AS) 194
Psychology (AA) 195
Psychology (AA-T) 196
Radiologic Technology (AS) 197
Religious Studies (AA) 198
Signal Technician (AS) 199
Social and Behavioral Sciences (AA) 200
Social Justice Studies (AA-T) 201
Social Work and Human Services (AA-T) 203
Sociology (AA-T) 204
Spanish (AA) 205
Spanish (AA-T) 206
Studio Arts (AA-T) 207
Surveying Technology (AS) 208
Sustainable Agriculture (AS) 209
SWHS: Addiction Studies (AA) 210
SWHS: Advocacy (AA) 211
Theatre Arts (AA) 212
Theatre Arts (AA-T) 213
Wastewater Treatment Operatns (AS) 214
Welding Technology (AS) 214
Certificates 216
Academic Prep: Math (Certificate of Competency) 218
Academic Preparedness: English (Certificate of Competency) 219
Administrative Assistant (Certificate of Achievement) 219
Advanced Cardiac Life Support (Skills Certificate) 221
Advanced Manufacturing Tech (Certificate of Achievement) 221
AE: Basic Computer Ops (Certificate of Completion) 222
AE: Carpentry Fundamentals (Certificate of Completion) 223
AE: Family Child Care Provider (Certificate of Completion) 224
AE: Financial Literacy (Certificate of Completion) 224
AE: Fire Resilient Landscaping (Certificate of Completion) 225
AE: Intro to Bldg & Constr (Certificate of Completion) 226
AE: Intro to Landscape Maint (Certificate of Completion) 227
AE: Intro to Landscaping I (Certificate of Completion) 227
AE: Intro to Landscaping II (Certificate of Completion) 228
AE: Personal Care Attendant (Certificate of Completion) 229
AE: Small Business Management (Certificate of Completion) 229
AE: Social Media for Business (Certificate of Completion) 230
AE: Starting a Small Business (Certificate of Completion) 231
AE: Tax Preparation (Certificate of Completion) 232
AE: Web-Based Tools & Appls (Certificate of Completion) 232
AE: Workforce Preparation (Certificate of Completion) 233
AE: Workplace Computer Ops (Certificate of Completion) 234
AGAS: Livestock & Equine Mgmt (Certificate of Achievement) 235
AGEH: Landscape Constr & Maint (Certificate of Achievement) 236
AGEH: Landscape Design (Certificate of Achievement) 238
AGNR: Wildfire Resilience (Skills Certificate) 239
AGVI: Viticulture (Certificate of Achievement) 240
AGWS: Enology (Certificate of Achievement) 241
AGWS: Wine Marketing and Sales (Certificate of Achievement) 242
AMT: CNC Machining II Tech (Certificate of Achievement) 243
AMT: Machine Tool Tech (Skills Certificate) 243
Apprenticeship: Roofing (Skills Certificate) 244
ArlRmotSnsng&Photogrammtry (Certificate of Achievement) 245
Art: Applied Photography (Certificate of Achievement) 246
Arts Education Assistant (Certificate of Achievement) 247
Automation Fundamentals (Skills Certificate) 248
Automotive Brakes and Chassis (Certificate of Achievement) 249
Automotive Diagnostic Tech (Certificate of Achievement) 250
Automotive Fundamental (Certificate of Achievement) 251
Automotive MLR Tech (Certificate of Achievement) 252
Automotive Transmission (Certificate of Achievement) 253
Autonomous Vehicle (Certificate of Achievement) 254
Background Investigation (Skills Certificate) 255
Basic Academic Skills (Certificate of Completion) 256
Basic Arrhythmia Recognition (Skills Certificate) 257
Basic Police Officer Academy (Certificate of Achievement) 258
Business:Account Clerk/Payroll (Certificate of Achievement) 258
Business: Accountant Assistant (Certificate of Achievement) 259
Business: Banking and Lending (Certificate of Achievement) 261
Business: Bookkeeper (Certificate of Achievement) 262
Business: Enrolled Agent (Tax) (Certificate of Achievement) 263
Business: Entrepreneurship (Certificate of Achievement) 264

Business: Human Resources (Certificate of Achievement) 264
Business: Management (Certificate of Achievement) 265
Business: Marketing (Certificate of Achievement) 266
Business: Real Estate (Certificate of Achievement) 267
Business: Real Estate Sales (Skills Certificate) 268
CA: Baking and Pastry (Certificate of Achievement) 269
CA: Culinary Arts (Certificate of Achievement) 270
CA: Restaurant Operations (Certificate of Achievement) 271
Cal-GETC GE Pattern (Certificate of Achievement) 272
Certified Nurse Assistant (Skills Certificate) 273
Child Dev: Assoc Teacher (Skills Certificate) 274
Child Development: Teacher (Certificate of Achievement) 275
Civil Engineering Technology (Certificate of Achievement) 276
Commercial Music (Certificate of Achievement) 278
Constructn Managmnt Fundamntls (Certificate of Achievement) 279
Corrections Officer Core (Skills Certificate) 280
CS Adobe Apps Specialist (Certificate of Achievement) 281
CS Adobe Illustrator Cert (Skills Certificate) 281
CS Adobe InDesign Cert (Skills Certificate) 282
CS Adobe Photoshop Entry (Skills Certificate) 283
CS Adv Virtual Production RVPA (Certificate of Achievement) 284
CS Applied Drone Operation (Certificate of Achievement) 285
CS Cisco CCNA Cert (Skills Certificate) 286
CS Cybersecurity (Certificate of Achievement) 287
CS Drone Certification (Skills Certificate) 288
CS Game Development (Certificate of Achievement) 288
CS Graphic Design (Certificate of Achievement) 289
CS IT Support (Certificate of Achievement) 291
CS Linux Administration (Skills Certificate) 292
CS Linux Essentials (Skills Certificate) 292
CS Microsoft Excel (Skills Certificate) 293
CS Microsoft Word (Skills Certificate) 294
CS NC Virtual Prod Fundamental (Certificate of Completion) 295
CS Virtual Prod Fundamental (Certificate of Achievement) 296
CS Web and Mobile Front-End (Skills Certificate) 296
CS Web and Mobile Front-End NC (Certificate of Completion) 297
CS Web and Mobile Full-Stack (Certificate of Achievement) 298
CS Web and Multimedia (Certificate of Achievement) 299
Dance: Choreography and Perfor (Skills Certificate) 300
Dance: Foundations (Skills Certificate) 301
Dental Assisting (Certificate of Achievement) 302
Dietary Manager (Certificate of Achievement) 303
DM: 3D Modeling & Animation (Certificate of Achievement) 304
Educator Development (Certificate of Achievement) 305
Electrical Union Apprentice (Certificate of Achievement) 306
Electronic Technolgy Fundmntls (Skills Certificate) 307
Emergency Medical Responder (Skills Certificate) 308
Emergency Medical Technician (Skills Certificate) 309
EMLS Credit: Advanced (Certificate of Achievement) 310
EMLS Credit: Intermediate (Certificate of Achievement) 310
EMLS NC: Basic Communication (Certificate of Completion) 311
EMLS NC: College & Career Prep (Certificate of Completion) 312
EMLS NC: Intermediate (Certificate of Completion) 313
EMLS NC: Literacy Foundations (Certificate of Completion) 314
EMT Refresher (Skills Certificate) 315
Engine Machining (Certificate of Achievement) 316
Engine Machining (Skills Certificate) 317
Fashion Design (Certificate of Achievement) 317
Fashion Fundamentals (Certificate of Achievement) 318
Film & Media Arts Production (Certificate of Achievement) 319
Fire Science - Company Officer (Certificate of Achievement) 320
Fire Technology (Certificate of Achievement) 321
Firefighter Academy (Certificate of Achievement) 322
Fitness and Health Coach (Certificate of Achievement) 323
Floral Design (Certificate of Achievement) 324
Hemp Agriculture (Certificate of Achievement) 325
Hospitality Management (Certificate of Achievement) 326
HVACR Fundamentals (Certificate of Achievement) 327
IndustrlMaintenanceFundamntals (Skills Certificate) 328
Interior Design (Certificate of Achievement) 329
Interior Design: Fundamentals (Certificate of Achievement) 330
Interior Design: Technical (Certificate of Achievement) 330
Journalism: Digital (Certificate of Achievement) 331
Juvenile Justice (Certificate of Achievement) 332
Law Enforcement (Certificate of Achievement) 333
Law Enforcement Supervisor (Skills Certificate) 335
Mchtroncs:IndustrlMntnncTchncn (Certificate of Achievement) 335
Mechatronics Fundamentals (Skills Certificate) 336
Mechatronics Technician (Certificate of Achievement) 337
Medical Assisting (Certificate of Achievement) 338
Medium Heavy Truck Technology (Certificate of Achievement) 339
MHT Chassis Tech (Certificate of Achievement) 340

MHT Diagnostic Tech (Certificate of Achievement) 341
MHT Foundation Tech (Certificate of Achievement) 343
Natural Resources (Certificate of Achievement) 344
Paralegal Studies (Certificate of Achievement) 345
Paramedic (Certificate of Achievement) 346
PC 832 Arrest (Skills Certificate) 347
Pharmacy Technician (Certificate of Achievement) 348
Pilates Apparatus Instructor (Certificate of Achievement) 349
Pilates Comprehensive Instruct (Certificate of Achievement) 350
Pilates Mat Instructor (Certificate of Achievement) 351
Pilates Reformer Instructor (Certificate of Achievement) 352
Plumbing & HVAC Apprentice (Certificate of Achievement) 352
Plumbing & Pipe Fit Apprentice (Certificate of Achievement) 353
Public Safety Dispatcher (Skills Certificate) 354
Radiologic Technology (Certificate of Achievement) 355
Residential Elect. Apprentice (Certificate of Achievement) 357
Signal Technician (Certificate of Achievement) 358
SRJC Local GE (AA/AS) Pattern (Certificate of Achievement) 359
Surveying Technology (Certificate of Achievement) 359
Sustainable Agriculture (Certificate of Achievement) 361
SWHS: Addiction Studies (Certificate of Achievement) 362
SWHS: Advocacy (Certificate of Achievement) 363
SWHS: Recovery & Acad Success (Skills Certificate) 364
Technical Theatre Foundations (Certificate of Achievement) 365
THAR: Theatre Mgmt (Certificate of Achievement) 366
Theatre Arts: Acting (Certificate of Achievement) 368
Theatre Arts: Costuming (Certificate of Achievement) 369
Theatre Arts: Makeup Design (Certificate of Achievement) 371
Theatre Arts: Stagecraft (Certificate of Achievement) 372
Veterinary Technician (Certificate of Achievement) 374
Wastewater Operator (Skills Certificate) 375
Wastewater Treatment Operatns (Certificate of Achievement) 375
Water Distribution (Skills Certificate) 376
Water Treatment (Skills Certificate) 377
Water Utility Operations (Certificate of Achievement) 378
Weld: Flux Cored Arc: FCAW (Certificate of Achievement) 378
Weld: Gas Metal Arc: GMAW (Certificate of Achievement) 379
Weld: Gas Tungsten Arc: GTAW (Certificate of Achievement) 380
Weld: Shielded Metal Arc: SMAW (Certificate of Achievement) 381
Welding Technology (Certificate of Achievement) 382
Yoga: 200-Hour Teacher Train (Skills Certificate) 383
Announcement of Courses 384
Course Numbering 384
C-ID Course Identification Numbering System 384
Course Symbols 385
Prerequisites, Corequisites, and Advisories 385
Courses by Subject Code 386
Adapted Physical Education (APE) 387
Administration of Justice (AJ) 388
Adult Education (ADED) 391
Advanced Manufacturing Tech (MACH) 396
Advanced Transportation (ATL) 397
Agriculture (AGRI) 399
Agriculture Business (AGBU) 400
Agriculture Mechanics (AGME) 401
American Sign Language (ASL) 401
Anatomy (ANAT) 401
Animal Science (ANSC) 402
Anthropology (ANTH) 403
Applied Technology (APTE) 404
Apprenticeship Education (APED) 406
Architecture (ARCH) 409
Art (ART) 410
Art History (ARTH) 413
Astronomy (ASTR) 414
Athletics (ATHL) 415
Behavioral Science (BEHS) 418
Biology (BIO) 418
Botany (BTNY) 420
Business Administration (BAD) 420
Business Bookkeeping (BBK) 422
Business General (BGN) 422
Business Management (BMG) 423
Business Marketing (BMK) 424
Business Office Technology (BOT) 425
Chemistry (CHEM) 425
Child Development (CDEV) 427
Child Development (CHLD) 427
Chinese (CHIN) 430
Civil & Surveying Technology (CEST) 431
College Skills (CSKL) 431
Communication Studies (COMM) 433
Computer Studies (CS) 435
Construction Management Tech (CONS) 443

Counseling (COUN) 443
Culinary Arts (CUL) 444
Dance (DANC) 451
Dental Edu (Assist & Hygiene) (DE) 458
Dental Education - Assisting (DA) 458
Dental Education - Hygiene (DH) 459
Dietetic Technology (DIET) 461
Disability Resources Departmnt (DRD) 462
Disability Studies (DSS) 463
Earth and Space Science (ERTH) 463
Economics (ECON) 464
Education (EDU) 464
Education (EDUC) 465
Electronic Technology (ELEC) 465
Emergency Medical Care (EMC) 466
Engineering (ENGR) 469
English (ENGL) 470
English for Multilingual Students (EMLS) 473
Entrepreneurship (ESHP) 478
Environmental Science (ENVS) 478
Environmental Technology (ENST) 479
Equine Science (EQSC) 479
Ethnic Studies (ETHS) 479
Fashion (FASH) 480
Film and Media Arts (FMA) 481
Fire Technology (FIRE) 483
Floristry (FLOR) 488
Foods and Nutrition (FDNT) 488
French (FREN) 489
Geographic Information Systems (GIS) 489
Geography (GEOG) 490
Geology (GEOL) 490
German (GERM) 491
Graphic Design (GD) 492
Health Care (HLC) 493
Health Education (HLE) 493
Heatng, Ventilatn, AC & Refrig (HVAC) 493
History (HIST) 494
Horticulture (HORT) 496
Hospitality (HOSP) 497
Human Resources (HR) 498
Humanities (HUM) 499
Interdisciplinary Studies (INTD) 500
Interior Design (INDE) 500
Italian (ITAL) 501
Japanese (JAPN) 502
Journalism (JOUR) 502
Kinesiology (KIN) 503
Kinesiology Aquatics (KINA) 507
Kinesiology Combative (KINC) 508
Kinesiology Fitness (KFIT) 509
Kinesiology Individual Sports (KINI) 513
Kinesiology Team Sports (KINT) 514
Library & Information Resource (LIR) 515
Lifelong Learning (LL) 515
Mathematics (MATH) 516
Medical Assisting (MA) 519
Meteorology (MTER) 520
Microbiology (MICR) 520
Music (MUSC) 521
Music Practicum & Performance (MUSP) 524
Natural Resources (NRM) 528
Nursing - RN (NR) 530
Nursing- Aide (NRA) 531
Paralegal Studies (PLS) 531
Pharmacy Technician (PHT) 533
Philosophy (PHIL) 534
Physical Science (PHSC) 535
Physics (PHYS) 535
Physiology (PHYZ) 536
Political Science (POLS) 536
Psychology (PSYC) 537
Radiologic Technology (RADT) 539
Real Estate (RE) 541
Religious Studies (RELS) 542
Renewable Energy (REEN) 543
Social Science (SOCS) 544
Social Work/Human Services (SWHS) 544
Sociology (SOC) 545
Sociology (SOCI) 546
Spanish (SPAN) 546
Special Education (SE) 547
Statistics (STAT) 547
Surveying (SURV) 548

Sustainable Agriculture (SUAG) 548
Theatre Arts (THAR) 549
Veterinary Tech (VETT) 554
Viticulture (VIT) 555
Vocational Education (VE) 557
Waste Water Treatment (WWTR) 557
Water Treatment (WTR) 558
Welding (WELD) 558
Wine Studies (WINE) 559
Work Experience Education (WEE) 561
Work Experience - Occupational (WEOC) 562
Staff Directory 563
Board of Trustees 563
Administration 563
Faculty 563
Classified Staff 563
Index 564

PRESIDENT'S MESSAGE

WELCOME TO SANTA ROSA JUNIOR COLLEGE



Welcome to Santa Rosa Junior College. As your Superintendent/ President, I am honored to welcome both new and returning students as you take the next steps on your educational journey.

Each new academic year brings fresh energy, new goals, and the chance to grow both personally and academically. At SRJC, we believe each student plays a part in shaping the future of our college and the communities we serve. By learning together, supporting one another, and staying true to your goals, you are helping create new solutions and define the legacy of SRJC for generations to come.

Our college is a vibrant and welcoming environment where students, faculty, and staff come together to learn, connect, and thrive. Whether you are here to complete a certificate, earn a degree, transfer to a university, or gain new skills, SRJC is here to support you every step of the way.

SRJC is known for academic excellence, strong student support, and a lasting commitment to equity and inclusion. With more than 100 majors and nearly 200 certificate programs, you will find a path that matches your goals and interests. From academic advising and career counseling to financial aid, tutoring, and health services, we are here to help you succeed in and out of the classroom.

As a proud Hispanic Serving Institution, SRJC is committed to creating opportunities for all students and reflecting the diversity of our community. We value and celebrate the many backgrounds, identities, and experiences that enrich our campus and strengthen our shared learning. For over 100 years, SRJC has helped students build brighter futures, and we are excited to continue that tradition with you.

Your journey matters. Your goals matter. You are welcome here. Together, we will shape what comes next.

In community,
Dr. Angèlica Garcia
Superintendent/President
Pronouns: She | Her | Ella

ACADEMIC CALENDAR

Enrollment dates listed in the academic calendar are for **full semester length classes only**. For all other short and late starting classes, please refer to the date links listed under the "Date Begin/End" column located in the online schedule of classes (https://classes.santarosa.edu/).

Fall Semester 2026

Date	Event
TBD	Fall class schedule available (www.santarosa.edu (http://www.santarosa.edu))*
Wednesday, August 12, 2026	**Professional Development Flex Day (No classes or activities)**
Thursday, August 13, 2026	**District-designated activities (No classes)**
Friday, August 14, 2026	**Mandatory Professional Development Activities Institutional Day (No classes, Minimal Services)**
Monday, August 17, 2026	**Classes Begin**
Sunday, August 30, 2026	Last day to drop semester length class and be eligible for a refund
Sunday, September 6, 2026	Last day to register/add semester length class with the instructor's signature or add code
Sunday, September 6, 2026	Last day to drop a semester-length class without "W" symbol
Monday, September 7, 2026	**Labor Day Holiday (No classes, District closed)**
Tuesday, September 8, 2026	First Census Day
Thursday, September 17, 2026	Constitution Day and Citizenship Day (Classes will meet)
Friday, September 25, 2026	**Native American Day (No classes, District closed)**
Monday, October 19 - Sunday, November 15, 2026	Midterm progress indicators available through instructors
Wednesday, November 11, 2026	**Veterans Day Holiday (No classes, District closed)**
Sunday, November 15, 2026	Last day to drop a semester length class with “W” symbol
Thursday, November 26 - Sunday, November 29, 2026	**Fall Break (No classes, District closed)**
Friday, November 27, 2026	**Professional Development 1/2 Flex Day (No classes or activities, District closed)**
Friday, December 11, 2026	Last day to opt for P/NP for a semester length class
Saturday, December 12 - Friday, December 18, 2026	Final Examinations
Saturday, December 19, 2026 - Sunday, January 17, 2027	**Semester Break (No classes)**
Thursday, December 31, 2026	Final grade rosters due
Saturday, January 2, 2027	Fall semester processing finalized

Spring Semester 2027

Date	Event
TBD	Spring class schedule available (www.santarosa.edu (http://www.santarosa.edu)) *
Monday, January 18, 2027	**Dr. Martin Luther King Jr. Day Holiday (No classes, District Closed)**
Tuesday, January 19, 2027	**Classes Begin**
Sunday, January 31, 2027	Last day to drop semester length class and be eligible for a refund
Sunday, February 7, 2027	Last day to register/add semester length class with the instructor's signature or add code
Sunday, February 7, 2027	Last day to drop a semester-length class without "W" symbol
Monday, February 8, 2027	First Census Day
Thursday, February 11, 2027	**Mandatory Professional Development Activities Institutional Day (No classes, District closed for PDA)**
Friday, February 12, 2027	**Lincoln’s Day Holiday Observance (No classes, District closed)**
Saturday, February 13 - Sunday, February 14, 2027	Saturday and Sunday (Classes will meet)
Monday, February 15, 2027	**Washington’s Day Holiday (No classes, District closed)**
Monday, March 22 - Sunday, March 28, 2027	**Spring Break (No classes)**
Thursday, March 25, 2027	**Professional Development Flex Day (No classes)**
Friday, March 26, 2027	**Professional Development 1/2 Flex Day (No classes)**
Monday, March 29 - Sunday, April 25, 2027	Midterm progress indicators available through instructors
Wednesday, March 31, 2027	**Farmworker's Day (No classes, District closed)**
Thursday, April 29, 2027	Last day to drop a semester length class with “W” symbol

Friday, May 21, 2027	Last day to opt for P/NP for a semester length class
Saturday, May 22 - Friday, May 28, 2027	Final Examinations
Friday, May 28, 2027	**Commencement Exercises**
Monday, May 31, 2027	**Memorial Day Holiday (No classes, District closed)**
Tuesday, June 1, 2027	**Asian American & Pacific Islander Day (No classes, District closed)**
Friday, June 4, 2027	Final grade rosters due
Saturday, June 5, 2027	Spring semester processing finalized

Summer Semester 2027

Date	Event
TBD	Summer class schedule available (www.santarosa.edu (http://www.santarosa.edu)) *
Monday, June 14, 2027	**Classes Begin**
Thursday, June 17, 2027	**Juneteenth Holiday (No classes, District closed)**
Monday, July 5, 2027	**Independence Day Holiday observed (No classes, District closed)**
Final Exam Given at Last Class Meeting For All Summer Classes	
Tuesday, August 10, 2027	**Last day of summer term**
Friday, August 13, 2027	Final grade rosters due
Saturday, August 14, 2027	Summer term processing finalized

ABOUT SRJC

- Accreditation (p. 13)
- Academic Integrity Statement (p. 13)
- Disclaimer (p. 13)
- History of Sonoma County Junior College District (p. 13)
- Vision, Mission Statement, Values (p. 14)
- Institutional Learning Outcomes (p. 14)
- Land Acknowledgement Statement (p. 15)
- Non-Discrimination Statement (p. 15)
- Santa Rosa Campus (p. 16)
- Petaluma Campus (p. 16)
- Public Safety Training Center (p. 17)
- B. Robert Burdo Culinary Arts Center (p. 18)
- Shone Farm (p. 18)
- SRJC Roseland (p. 19)

Accreditation

Santa Rosa Junior College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 331 J Street, Suite 200, Sacramento, CA 95814, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found on ACCJC's website (accjc.org).

For more information regarding Santa Rosa Junior College accreditation go to https://accreditation.santarosa.edu (https://accreditation.santarosa.edu/). For information on programmatic/specialized accreditation visit https://accreditation.santarosa.edu/specialized-or-programmatic-accreditation.

Academic Integrity Statement

Sonoma County Junior College District holds that its primary function is the development of intellectual curiosity, integrity, and accomplishment in an atmosphere that upholds the principles of academic freedom. All members of the academic community–student, faculty, staff, and administrator–must assume responsibility for providing an environment of the highest standards, characterized by a spirit of academic honesty and mutual respect. Because personal accountability is inherent in an academic community of integrity, this institution will not tolerate or ignore any form of academic dishonesty.

Policy 3.11 Revised July 2012

Disclaimer

The Sonoma County Junior College District has made every reasonable effort to ensure the accuracy of the information provided in this Catalog at the time it was published. However, the provisions of this Catalog are not to be regarded as an irrevocable contract between the student and the College. The College reserves the right to change any provision or requirement at any time, taking precautions that such changes do not cause a hardship on students enrolled.

Information detailed in Full and Part Time Paths for each program of study in the electronic version of this catalog are intended solely as advisory guidance and planning tools. The paths do not constitute official, immutable catalog requirements and are subject to modification as guidance parameters change. The electronic version of the catalog is available at catalog.santarosa.edu (https://srjc-catalog.santarosa.eduhttps:catalog/santarosa.edu).

Students are advised that the District Policy Manual (https://trustees.santarosa.edu/board-policy-manual) is the official document that contains the most up-to-date SRJC policies and procedures and governs student academic rights and responsibilities. Students should consult the current Schedule of Classes or the college website www.santarosa.edu (https://www.santarosa.edu/) for supplementary information.

History of Sonoma County Junior College District



Santa Rosa Junior College (SRJC), founded in 1918, is the tenth oldest two-year community college in California's 116 publicly funded community college system. From its initial freshman class of 19 students, SRJC has grown to be one of the largest single college districts in the country, the Sonoma County Junior College District.

With 14 major high school districts in its borders, SRJC's district encompasses more than 1,600 square miles, stretching from the southern portion of Mendocino County in the north to the northern tip of Marin County in the south. It is bordered to the west by the Pacific Ocean and to the east by Napa and Lake counties.

The District operates two campuses in Sonoma County: a 100+-acre campus in the heart of Santa Rosa, and a 40-acre campus in Petaluma. The District also operates a regional Public Safety Training Center in Windsor and a 365-acre self-supporting farm near Forestville and SRJC Roseland for noncredit and adult education opportunities in Southwest Santa Rosa. Each semester, classes are also offered at dozens of locations throughout the District.

SRJC offers a strong general education program for students planning to transfer to four-year colleges and universities and more than 200 Career Education programs designed to prepare students for careers in the workforce. The College grants Associate in Arts (AA), Associate in Arts for Transfer (AA-T), Associate in Science (AS) and Associate in Science for Transfer (AA-T) degrees.

In the course of its 107-year history, Santa Rosa Junior College has had only six Superintendent/Presidents: Floyd P. Bailey (1921–1957), Randolph Newman (1957–1970), Roy Mikalson (1971–1990), Robert F. Agrella (1990-2012), Frank Chong (2012-2023) and the current Superintendent/President, Dr. Angèlica Garcia, who was hired in 2023.

The Sonoma County Junior College District serves more than 33,000 students each year, attracting students from throughout the state as well as from over 30 countries.



Vision, Mission Statement, Values

THE MISSION OF THE SONOMA COUNTY JUNIOR COLLEGE DISTRICT IS:
Santa Rosa Junior College transforms the lives of our culturally rich student body, employees, and community by cultivating a welcoming and antiracist environment, centered on social responsibility and cultural awareness. We offer exceptional teaching and learning in support of associate degree, certificate, transfer preparation, workforce preparation and community education programs, integrated with comprehensive student support services.

THE VISION OF THE SONOMA COUNTY JUNIOR COLLEGE DISTRICT IS:
Santa Rosa Junior College commits to setting the standard in cultivating an accessible, open, barrier-free, sustainable environment for students, employees, and the community. The college envisions equitable, impactful, transformative, enriching, and holistic learning opportunities that inspire our students to thrive.

SONOMA COUNTY JUNIOR COLLEGE DISTRICT VALUES:
A Healthy and Resilient College grounded in kindness, innovation, collaboration, and restorative justice that identifies and removes oppressive structures;

Teaching and Learning that encompass excellence, freedom, and responsibility in academics that promote civic engagement, a love of learning, and success for all students;

Community Engagement and Relationships founded on cultural competency, trust, embrace of difference, and interconnectedness;

Wellbeing centered on the physical and mental wellness of all members of our community;

Integrity that emphasizes honesty, transparency, and ethical engagement;

Effectiveness and District Stability that support fiscally responsible planning centered on student needs; and

Our Responsibility to the Environment and Society expressed in our commitment to sustainability and social equity.

(Approved by the Board on November 8, 2022)

Institutional Learning Outcomes

Santa Rosa Junior College's mission is to increase the knowledge, to improve the skills, and to enhance the lives of those who participate in our programs and enroll in our courses throughout the District.

In keeping with the mission, the college's Institutional Learning Outcomes represent our educational values. These outcomes arise from the most general and universal educational goals of the institution; they are neither program nor course-specific. These outcomes demonstrate how all students, regardless of their course of study, have the opportunity to share in a collective academic culture.

Students, as a whole, will develop proficiency in the seven areas identified below as part of a dynamic educational environment. The breadth and depth of experience and proficiency that any individual student may reach in each of these outcomes is, of course, dependent upon the student, the program or course of study, and the length of college attendance.

Through their experiences at SRJC, students will bring into the college community the following set of skills and values:

1. Foundational Skills

- Perform mathematical operations
- Utilize technology
- Read and write at the college level

2. Personal Development and Management

- Develop self-awareness and confidence
- Manage resources, such as time and money, in order to advance personal and career goals
- Maintain or improve health
- Appreciate the value of lifelong learning

3. Communication

- Listen actively and respectfully
- Speak coherently and effectively

4. Critical Analysis

- Locate, analyze, evaluate and synthesize relevant information
- Draw reasonable conclusions in order to make decisions and solve problems

5. Creativity

- Creatively respond to ideas and information

6. Intercultural Literacy and Interaction

- Recognize and acknowledge individual and cultural diversity
- Practice respectful interpersonal and intercultural communication
- Recognize and understand the ideas and values expressed in the world's cultural traditions

7. Responsibility

- Understand and demonstrate personal, civic, social, and environmental responsibility and cooperation in order to become a productive local and global citizen

Land Acknowledgement Statement



This land acknowledgment calls us to commit to continuing to learn how to be better stewards of the land we inhabit. We recognize that every member of the Santa Rosa Junior College community has benefited, and continues to benefit, from the use and occupation of this land since the institution's founding in 1918. Consistent with our values of community and diversity, we have a responsibility to acknowledge and make visible the colleges' relationship with Native peoples. By offering this Land Acknowledgement, we affirm Indigenous sovereignty and will work to hold Santa Rosa Junior College more accountable to the needs of American Indian and Indigenous peoples.

We acknowledge that we gather at Santa Rosa Junior College on the territorial traditional land of the Pomo People in Santa Rosa and the Coast Miwok People in Petaluma, past and present, and honor with gratitude the land itself and the people who have stewarded it throughout the generations.

Non-Discrimination Statement

The Sonoma County Junior College District does not discriminate on the basis of race, religious creed, color, national origin, ancestry, ethnic group identification, physical disability, mental disability, medical condition, genetic condition, marital status, sex, gender, gender identity, gender expression, genetic information or sexual orientation in any of its policies, procedures or practices; nor does the District discriminate against any employees or applicants for employment on the basis of their age. This non-discrimination policy covers admission, access and treatment in District programs and activities--including but not limited to academic admissions, financial aid, educational services and athletics--and application for District employment.

Política De No Discriminación

El Distrito del Colegio del Condado de Sonoma no discrimina por motivos de raza, religión, credo, color, origen nacional, ascendencia, grupo étnico, discapacidad física, discapacidad mental, condición médica, condición genética, estado civil, sexo, género, identidad de género, expresión de género, información genética u orientación sexual en ninguna de sus políticas, procedimientos o prácticas; ni discrimina contra cualquier empleado o solicitantes de empleo por motivos de su edad. Esta política de no discriminación cubre la admisión, el acceso y el tratamiento en los programas y actividades del Distrito – que incluyen, pero no se limitan, a las admisiones académicas, la ayuda financiera, los servicios educativos y el atletismo y la solicitud de empleo al Distrito. El Distrito del Colegio del Condado de Sonoma es una institución que ofrece igualdad de oportunidades.



Santa Rosa Campus



Santa Rosa Junior College
1501 Mendocino Avenue
Santa Rosa, CA 95401- 4395
Phone: (707) 527- 4011
Website: www.santarosa.edu (http://www.santarosa.edu)

Current Map of the campus is located at: https://maps.santarosa.edu/ (https://maps.santarosa.edu/)

During the early years, Santa Rosa Junior College shared facilities with Santa Rosa High School. SRJC has now provided excellent higher education to Sonoma County residents for more than 100 years.

In 1931, the College moved to its own campus, a 40-acre oak-studded site just north of Santa Rosa High School, which was a favorite spot of the renowned horticulturist Luther Burbank. The property was jointly owned at the time by the City of Santa Rosa and the Santa Rosa Chamber of Commerce. Over the years more acreage was acquired, and now the Santa Rosa Campus includes over 100 acres.

The first building constructed on the Santa Rosa Campus was Pioneer Hall, which was completed May 18, 1931. It was badly damaged in the earthquake of 1968, and was refurbished due to its historical significance. It now houses the college Bookstore and Student Equity offices.

SRJC's Santa Rosa Campus, with its ivy-covered brick buildings, towering oak trees, flower gardens, and manicured lawns, is one of the most beautiful campuses in the entire California Community Colleges system, and is used frequently as a location for commercial films.

In addition to its state-of-the-art classroom facilities and laboratories, SRJC's Santa Rosa Campus houses the Robert F. Agrella art gallery and the Santa Rosa Junior College Museum. All are open to the public.

Petaluma Campus



Santa Rosa Junior College – Petaluma Campus

680 Sonoma Mountain Parkway

Petaluma, CA 94954-2522

Phone: (707) 778-2415

Website: petaluma.santarosa.edu

Campus Map: maps.santarosa.edu

Small Campus Experience. Big Possibilities.

Since the late 1960s, Santa Rosa Junior College has served southern Sonoma County through its Petaluma campus—providing accessible, high-quality education that supports both individual growth and regional vitality. Recognized as a full campus in 1999, SRJC Petaluma offers a close-knit, student-centered environment grounded in innovation, connection, and student success.

Each year, more than 6,400 students enroll in credit and noncredit courses at Petaluma, choosing from over 400 sections across nearly 40 disciplines. Students come to SRJC Petaluma to transfer, build career skills, and explore new directions—while benefiting from smaller class sizes and a more personalized college experience. Many degrees and certificates can be completed entirely on the Petaluma campus.

Students also complete lower-division coursework for transfer to California State University, University of California, and private institutions, supported by integrated academic and student services designed to help them move forward with clarity and confidence.

What You Can Study

- Career education and workforce training programs
- General education and transfer pathways
- Degrees and certificates that can be completed fully at the Petaluma campus
- Integrated academic and student support for first-year and first-generation students

- Noncredit programs, including English for Multilingual Students and GED preparation

Career-Focused Programs

SRJC Petaluma is known for hands-on, career-connected learning opportunities, including:

- Carpentry and HVACR
- Computer Studies (Cisco CCNA and IT Support)
- Digital Media and Audio Production
- Fashion Studies
- Film Studies and Digital Filmmaking, including the Petaluma Cinema Series
- Fitness, Nutrition, and Health, including Pilates and Yoga Teacher Training
- Veterinary Technology
- Water and Wastewater Utility Operations

Facilities Designed for Learning

- 35,000-square-foot library and student resource center
- Science labs and physical fitness facilities
- Multimedia studios and a 256-seat auditorium
- Technology-enhanced classrooms and collaborative learning spaces
- Construction Training Center (CTC), offering hands-on training in the skilled trades

Recent Measure H investments have expanded science labs, created the Welcome & Connect Center, and enhanced shared campus spaces designed to support student success.

A Connected, Supportive Campus Experience

Students at SRJC Petaluma benefit from a highly connected campus environment where instruction, student services, enrollment support, and campus life are closely integrated. This structure allows students to navigate college more easily, build relationships with faculty and staff, and access the resources they need to succeed.

Campus Life and Community

- Friends of Petaluma Campus Trust – Supporting students through scholarships, advocacy, and community partnerships
- Building Futures – Annual fundraising event celebrating student success
- We the Future Social Justice Conference – Student-led event focused on equity and community action
- Intercultural Center – A hub for inclusion, leadership, and cultural engagement
- LumaFest – A Día de los Muertos celebration and campus open house

Location and Campus Environment

Located just 35 miles north of San Francisco, SRJC Petaluma offers convenient access via Highway 101, along with parking, electric vehicle charging, and public transit connections. The campus features contemporary adobe-style architecture, open gathering spaces, and a welcoming environment designed for learning and community.

SRJC Petaluma combines the advantages of a small, supportive campus with the opportunities of a comprehensive community college. Students benefit from strong connections—with faculty, peers, and the broader community—while preparing for transfer, careers, and lifelong learning.

Public Safety Training Center



SRJC Public Safety Training Center
5743 Skylane Boulevard
Windsor, CA 95492-9787
Phone: (707) 837-8843
Monday–Friday, 8:00 am–4:30 pm
Website: http://pstc.santarosa.edu/

Current Map of the campus is located at: https://maps.santarosa.edu/ (https://maps.santarosa.edu)

In 1960, the District established its first Basic Police Academy, the first program in the state to be certified by the Peace Officer Standards and Training Program (POST). The program relocated to the current SRJC Public Safety Training Center (PSTC) in Windsor to provide basic training for police officers, correctional officers, probation officers, police dispatchers, emergency medical technicians, paramedics and firefighters. The training center also provides in-service training for people working in public safety and has become the largest provider of in-service training for law enforcement personnel north of the Golden Gate Bridge.

The PSTC site is located on 20 acres in an industrial park on the southern edge of Windsor. The facility is comprised of administration and classroom buildings, an emergency medical care training laboratory, a

13,000-square-foot indoor firing range, a large multipurpose/gym building, as well as on-site parking for students and staff. There is also an 11 structure state-of-the-art Scenario Training Village, a three-story fire training tower with an attached burn room, and an 11-acre driver training area, including a skid pad. These facilities are used by all of the programs for basic and in-service training.

B. Robert Burdo Culinary Arts Center



B. Robert Burdo Culinary Arts Center
1670 Mendocino Avenue
Santa Rosa, CA 95401
Phone: (707) 522-2800
Culinary Café Reservation Line: (707) 522-2796
Website: https://culinary.santarosa.edu

Current Map of the center is located at: https://maps.santarosa.edu/

Santa Rosa Junior College's Culinary Arts Program provides an intensive course of study leading to five certificates of completion and two associate of arts degrees. These comprehensive programs prepare students for entry into the professional food and beverage industry. Students are trained in all aspects of the culinary and hospitality fields and are prepared for job opportunities as cooks, servers, and bakers in restaurants, hotels, catering companies, wineries and other related businesses. The curriculum integrates classical and modern culinary and service techniques with best practice management skills. Classes are scheduled in 8-week blocks, allowing year-round entry into the program. Culinary Arts faculty are industry professionals with extensive backgrounds in the food and beverage industry.

All Culinary Arts courses are held at the B. Robert Burdo Culinary Arts Center at 1670 Mendocino Avenue across from the Santa Rosa campus. This 22,000 square foot state-of-the-art facility is also the location of the SRJC Culinary Café & Bakery where students receive practical, hands-on experience working in a professional kitchen, retail bakery, and full-service restaurant open to the public.

For general information please call 707-522-2800.

Shone Farm



SRJC Shone Farm
7450 Steve Olson Lane
Forestville, CA 95436-9450
Phone: (707) 535-3700
Website: https://shonefarm.santarosa.edu/
Agriculture/Natural Resources: (707) 527-4408
Ag Pavilion: (707) 535-3707

Current map of Shone Farm is located at: https://maps.santarosa.edu/

Santa Rosa Junior College's Shone Farm, named for a former member of the college's Board of Trustees, Robert Shone, was established in March 1972. The District was granted the use of 285 acres near Forestville, which was owned by the federal government and used during World War II as a federal broadcast information site. In 1986 the lease of an adjacent 80- acre parcel expanded the farm to its current 365 acres. Shone Farm is a self-supporting enterprise that ensures it is managed in a practical way to provide students with real-life educational experiences.

Gravenstein apples, hay and cattle were the only income-producing enterprises when the farm began. Today, Shone Farm features products for sale, such as award-winning wine and olive oil, produce and grass-fed beef. The farm has evolved into a diversified unit that provides a wide variety of educational opportunities for students majoring in agriculture and forestry. In the early 70's the livestock program began raising cattle and sheep on the 100 acres of pasture. Horses were later added for use by the equine program.

In the early 80's, fifty acres of vineyard were planted for use by the Viticulture program. This has grown to eighty acres that include varieties of grapes that are appropriate to our Russian River Valley wine appellation.

The Charles D. Belden Center, named in memory of the dean who helped establish SRJC's Agriculture Program, was built in 1983. The Belden Center, constructed with labor and materials donated by community and industry members, serves as the hub of activity at the farm.

In 1997 the College established a Sustainable Agriculture site on seventeen acres that includes a 2,000-square-foot greenhouse, as well as a block of apples and olives that are used for olive oil. SRJC's Culinary Arts Program uses the vegetables grown by the Sustainable Ag Program.

Shone Farm produce is also sold direct to consumers and wholesale customers.

In 2002, the Rich Thomas classroom was built in dedication to Rich Thomas, the first Viticulture instructor for the SRJC Agriculture Department. This classroom is the result of the first major fundraising event sponsored by the SRJC Ag Trust. It is also used to host events and workshops.

In 2007, the Warren G. Dutton, Jr. Agriculture Pavilion was built at the farm. The pavilion offers instructional space for the college's Agricultural and Natural Resource Management programs, and provides an area for related community events. This facility also features a showcase arena, conference and learning center, wine education laboratory, and culinary kitchen.

In fall 2008, the Russ Gleason Memorial Arena was dedicated to SRJC's Equine Program. The most recent addition to the farm is the G. K. Hardt Stable completed in spring 2010.

SRJC Roseland



SRJC Roseland
950 S. Wright Road
Santa Rosa, CA 95407

Phone: (707) 527-4229

Web site: https://roseland.santarosa.edu/

In 2009, the district established the Southwest Santa Rosa Center. In May 2023, the Board of Trustees approved a resolution to change its name to SRJC Roseland. Its location is in the Southwest Santa Rosa area, a community known for its rich culture and underserved residents. The site sits on 9.5 acres slated for modernization and renovation to provide high quality education. The academic programs offered include Noncredit English for Multilingual Students (EMLS), College Skills, Older Adults, Computer Literacy, Adult Education, Community Education, and general education courses. It provides access to registration, assessment, orientation, counseling, basic needs, and follow-up services to various off-campus locations throughout Sonoma County.

Annually SRJC Roseland serves more than 7,000 students, including English language learners, from various areas in the region. It serves as a point of entry for newly arrived immigrants from around the world. On any given day, visitors can hear multiple languages spoken and experience the different cultures students bring from their native countries. It provides the academic skills for a diverse student population that enrolls in general education, vocational certificates, and other educational courses. Students' academic success enables them to enter the local and regional workforce and succeed in our community.

ADMISSIONS AND REGISTRATION

- The Benefits of Attending SRJC (p. 20)
- Application for Admission (p. 21)
- High School Dual Enrollment Students (p. 21)
- High School Dual Enrollment During Bell Schedule (CCAP) (p. 22)
- International Students in F-1 Visa Status (p. 22)
- Admissions and Dual Enrollment (p. 22)
- Admission and Dual Enrollment of High School and Other Young Students (p. 23)
- Airforce Reserve Officer Training Corps (AFROTC) (p. 26)
- Assessment (p. 26)
- Auditing Classes (p. 26)
- Bear Cub Hub (p. 27)
- Continuing Education (p. 27)
- Course Registration and Add Codes (p. 27)
- Fee Schedule and Information (p. 27)
- Independent Study Courses (Courses numbered 49 and 98) (p. 29)
- Open Classes (p. 30)
- Petition for Waiver of College Regulations (p. 30)
- Refunds (p. 30)
- Registration Priority (p. 30)
- Reinstatement in a Class (p. 30)
- Remedial Coursework Unit Limitation (p. 31)
- Residency Requirements (p. 31)
- Schedule of Classes (p. 33)
- Student Classification (p. 33)
- Student Load (p. 33)
- Unit Defined (p. 33)
- Unit Limitations (p. 33)
- Work/Study Loads (p. 33)

The Benefits of Attending SRJC

THE BENEFITS OF ATTENDING SRJC:

- To be introduced to the main fields of knowledge: the Humanities, Natural Sciences, and Social Sciences
- To receive the guidance and help of counselors, advisors, and faculty in planning a program to meet your needs and challenge your abilities
- To prepare for transfer to the upper division of a four-year college or university
- To take advantage of the one- and two-year career training programs offered in a wide variety of fields
- To obtain guidance in determining aptitudes and vocations
- To participate in training, education, and activities for self-enrichment
- To benefit from the extensive and diverse backgrounds of faculty who have an interest in your success and will strive to help you gain knowledge, skills, and understanding that enable you to meet your objectives
- To upgrade your position in career training fields through specific courses offered
- To take advantage of opportunities for student activities and leadership

ENROLLMENT ELIGIBILITY

SRJC enrollment is open to all high school graduates, holders of certificates of proficiency, and any person 18 years of age or older who can profit from the college programs. Students dual-enrolled in high school must file the Dual Enrollment Program Request and an Application for Admission. Transfer students and international students are encouraged to apply, and special services are available to applicants with special needs through multiple services, such as Counseling Services, Disability Resources, Enabling Services, Extended Opportunity Program and Services (EOPS), Financial Aid, Adult Reentry & New Student Programs, and Veteran Services.

NONDISCRIMINATION POLICY

The Sonoma County Junior College District, in compliance with State Regulation, Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973, does not discriminate on the basis of race, color, national origin, religion, sex, or handicap in any of its policies, procedures, or practices; nor does the District, in compliance with the Age Discrimination in Employment Act of 1975, discriminate against any employees or applicants for employment on the basis of their age.

This nondiscrimination policy covers admission, access, and treatment in college programs and activities – including, but not limited to, academic admissions, financial aid, educational services, and athletics – and application for and treatment in college employment. In conformance with the requirements of Title II of the Educational Amendments of 1976, amending the Vocational Education Act of 1963, the College is committed to overcoming sex discrimination and sex stereotyping in vocational education programs.

In conformance with college policy and pursuant to Education Code Section 87100, et seq., the Sonoma County Junior College District is an equal opportunity/affirmative action employer. Inquiries regarding the SRJC's equal opportunity policies may be directed to the Vice President of Human Resources or designee.

Students, job applicants, and current employees may file a complaint of any action that they believe discriminates against them on the ground of race, color, national origin, religion, sex, handicap, or age, and may contact the Vice President of Human Resources or designee for further information and procedures. Students enrolled in career training education programs may also file a complaint of any sex discrimination, sex bias, or sex-stereotyping to the Vice President of Human Resources or designee in the Human Resources Office.

AGENCY CONTACT INFORMATION

Human Resources

Santa Rosa Junior College

1501 Mendocino Avenue

Santa Rosa, CA 95401

(707) 527-4954

State Chancellor's Office

Legal Affairs Division

Chancellor's Office

California Community Colleges

1102 Q Street

Sacramento, CA 95811

(916) 445-8752

U.S. Department of Education Office for Civil Rights

United Nations Plaza
San Francisco, CA 94102
(415) 486-5555

ocr.sanfrancisco@ed.gov

Equal Employment Opportunity Commission (EEOC)

350 The Embarcadero, Suite 500

San Francisco, CA 94105-1260

(415) 625-5600

Department Of Fair Employment & Housing (DFEH)

San Francisco District Office
1515 Clay Street, Suite 701
Oakland, CA 94612

(800) 884-1684

ADMISSION REQUIREMENTS
An application is required for admission to SRJC. If you plan to register for courses that require significant mathematics, reading, or writing, placement by high school records, or completion of the guided self-placement activity can be very useful for you. Assessment for placement is a central part of the college orientation program.

STUDENT IDENTIFICATION NUMBER AND SOCIAL SECURITY NUMBER
SRJC uses a Student Identification number (SID), replacing the use of a Social Security number as the primary identifier for students.

SRJC continues to collect Social Security numbers, as they are necessary for financial aid recipients, federal tax credits, and state data reporting. The SID number is printed on all SRJC documents and records.

Bearcub Hub Password
For added security, students are required to establish a password upon initial logon to the Bear Cub Hub.

Once a password has been established, students will need to provide their password when using the Bear Cub Hub.

For security reasons, if students forget their password they need to visit the SRJC Login page and select “Forgot Password?” and follow the prompts.

SELECTING APPROPRIATE COURSES
The course descriptions listed in alphabetical order in the back of the Catalog help to determine which courses meet your college objectives. Counselors and advisors help to answer questions regarding requirements for graduation, for transfer and occupational curricula, and to handle other matters affecting your educational plans.

DATES TO REMEMBER
The college academic calendar at the beginning of this Catalog lists important dates, such as deadlines for registration and withdrawing, holidays, examinations, and the first day of classes. For more information, refer to the Admissions and Records website at: https://admissions.santarosa.edu/academic-calendar

Application for Admission

Regular student matriculation requires filing:

1. Application for Admission is available online at www.santarosa.edu/apply (http://www.santarosa.edu/apply). Furnish required information and evidence of residence so that legal residence can be determined.
2. Official transcripts of all previous schooling should be sent directly to the Admissions and Records Office for counseling purposes. In-person submittals must be received in a sealed envelope from the issuing college. Transcripts will be evaluated upon request. Transcripts may be required for graduation. All transcripts become part of each student’s permanent record and will not be released to other institutions.
3. Copy of separation papers or documented Basic Training for military reserve members, if an evaluation of credit is desired. Contact the Admissions and Records Office for additional information.
4. Santa Rosa Junior College English assessment activities are required for placement in an English class. Students are assessed for placement by high school records, or by completing the guided self-placement activity. Assessment for placement is not required of transfer students who have completed an equivalent English composition course. The Math and English of Multilingual Students departments also have required assessment activities. The results are used in placing students in appropriate courses. Application forms to take tests and other details may be obtained from the high schools or the Assessment Services Office.

High School Dual Enrollment Students

The $46-per-unit registration fee is waived for high school students enrolled in 11 units or fewer. High School students choosing to enroll in over 11 units are responsible for all fees for the total number of units enrolled in the semester or term. Some courses may require payment of a material fee (see course description in class schedule). High school students are still required to pay the Student Health Services Fee, Student Center fee, Transportation Fee, course fees, and purchase their own textbooks as recommended or required for their college courses.

ENROLLMENT REQUIREMENTS FOR HIGH SCHOOL STUDENTS:
Each semester that a high school student attends Santa Rosa Junior College, he/she is considered a New Student and, therefore, must complete and submit the following to one of the SRJC admissions offices:

1. Complete an SRJC Application online (https://admissions.santarosa.edu/apply) as a high school student.
2. Complete the Santa Rosa Junior College High School Dual Enrollment Request form. (https://admissions.santarosa.edu/high-school-dual-enrollment-request-form)

High school students must complete the Santa Rosa Junior College Dual Enrollment Program Request with his/her high school counselor who will

help select classes that meet his/her educational needs. The student will only be permitted to register for classes that his/her counselor approves. Each form needs to be signed by the high school principal and counselor in order to be accepted by SRJC Admissions Offices. The form must also be signed by the student and parent.

Please submit all application materials at least 48 hours prior to registering for classes. Once application materials are processed, the student may register for classes.

LIMITATIONS ON ENROLLMENT:
High school dual enrolled students may enroll up to 11 units for any semester or term.

There is limited enrollment in Kinesiology (formerly Physical Education) activity classes for high school dual enrollment students. Only 10% of the total class seats available may be high school dual enrollment students. (Example: Total class seats = 40; high school dual enrollment total allowed= 4 students). This 10% limit applies to all semesters at SRJC, including summer term.

Summer term only: Pursuant to Education Code 48800(d)(1), for any particular grade level, a principal of a high school may not recommend for community college summer term more than 5% of the total number of students who completed that grade level (9th, 10th, 11th, 12th) immediately prior to the time of recommendation.

An Application for Admission (https://admissions.santarosa.edu/apply) for the semester in which the student is applying, must be submitted before the Santa Rosa Junior College High School Dual Enrollment Request form (https://admissions.santarosa.edu/high-school-dual-enrollment-request-form) can be processed.

High School Dual Enrollment During Bell Schedule (CCAP)

College and Career Access Pathways (CCAP) Programs at Santa Rosa Junior College give high school students the opportunity to take free college classes that count for both high school and college credit. These courses are designed through special partnerships between SRJC and local school districts, making it easier for students to explore career pathways, earn transferable college units, or even work toward certificates and degrees while still in high school. CCAP classes are taught at the high school and students receive the same academic support and services as all SRJC students. For parents and high school staff, CCAP ensures that students have a clear, guided path into higher education and career opportunities—saving time, saving money, and building confidence in college-level work.

To determine eligibility or to enroll in a CCAP course, students should contact their high school counselor.

International Students in F-1 Visa Status

International Students in F-1 Visa Status

Santa Rosa Junior College (SRJC) encourages and welcomes international applicants. The International Student Program (ISP) supports F-1 students with admissions, orientation, and immigration advising. SRJC provides a wide array of student services and can assist international students with course registration, academic counseling, tutoring, university transfer, and housing. SRJC hosts international students from many countries around the world.

Academic Program

SRJC is a two-year community college that confers Associate Degrees and Certificates. Students may select from over 100 majors, or choose a non-degree program and take classes in any area of study for up to two semesters. Most international students attend SRJC to complete the lower-division requirements before transferring to a four-year university in pursuit of a Bachelor's Degree. SRJC has transfer agreements with the California State University (CSU) and University of California (UC) systems.

Application Requirements

Students who will apply for the F-1 visa must provide evidence of financial support, proof of English proficiency, and a copy of their passport to ISP. International applicants who will be under 18 years of age upon starting classes must also provide a high school diploma. International students who do not meet the English proficiency requirement can attend one of our partner English language programs and receive conditional admission to SRJC, pending the completion of the program. More information about international student admission requirements can be found on our website: international.santarosa.edu/admissions (https://international.santarosa.edu/admissions).

Employment

All international students may work on-campus during their first year of study at SRJC. Students may then apply for off-campus work authorization through the Curricular Practical Training (CPT) program. After program completion, students may apply to work full-time for 12 months through the Optional Practical Training (OPT) program, prior to transferring to a university or returning to their home country. More information about international student employment opportunities can be found on our website: international.santarosa.edu/employment (https://international.santarosa.edu/employment)

Mandatory Health Insurance

SRJC requires all international students to purchase our health insurance plan. Students are enrolled in coverage by ISP prior to the start of classes. More information about the international student health insurance requirement can be found on our website: international.santarosa.edu/health-insurance (https://international.santarosa.edu/health-insurance)

Please visit our website for more information for prospective students, including admissions requirements, programs of study, fees and expenses, and much more: international.santarosa.edu (https://international.santarosa.edu/). Please email any questions to international@santarosa.edu.

Admissions and Dual Enrollment

The Chief Student Services Officer is responsible for the implementation of all admissions procedures and for California residency classification.

The Santa Rosa Junior College District shall admit any California resident and may admit the following individuals:

- Any nonresident (as determined in the District's residence classification process as outlined in AP 5015 Residence Determination) possessing a high school diploma or equivalent, such

as a General Education Development (GED) or California High School Proficiency Examination (CHESPE).

- Any apprentice as defined in Labor Code Section 3077 who is capable of benefiting from the instruction offered.
- Any other person over the age of eighteen (18) who is capable of benefiting from the instruction offered. If the Board of Trustees determines to admit other persons, those persons shall be admitted as provisional students and thereafter shall be required to comply with the rules and regulations prescribed by the Board of Governors pertaining to the scholastic achievement and other standards to be met by provisional or probationary students, as a condition to being readmitted in any succeeding semester. This does not apply to persons in attendance in special classes and programs established for adults pursuant to Education Code Section 78401 or to any persons attending on a part-time basis only.
- May admit to a regular term as a special full-time student, any student upon a parent or guardian's petition to, and authorized by, the governing board of the school district in which the student is enrolled. Such students are required to undertake courses of instruction of a scope and duration sufficient to satisfy the requirements of law.
- May admit to a regular term as a special part-time student, any student whose admission is recommended by the school principal and consented to by the parents. The students recommended by the school district are those who would benefit from advanced scholastic or vocational courses. Credit for courses completed shall be at a level determined to be appropriate by the school district and community college district.
    - A special part-time student, for purposes of Education Code Section 76001, i.e. one who attends special classes and programs established for adults or any persons attending on a part-time basis, may enroll in up to, and including eleven (11) units per semester.
    - Any student who attends as a special part-time student under Education Code, Section 48800.5 and Education Code Section 76001(b) is exempt from compulsory school attendance.
- May admit students who are inmates of any city or county jail, road camp, farm, or federal correctional facility.
- May admit international students. International students seeking admission to the District under an F#1 student visa must meet all United States Immigration requirements and District's admissions requirements as published in the current Catalog.

The Director, Admissions & Records and Enrollment Services shall establish procedures for evaluating the validity of a student's high school completion if the District or the United States Department of Education has reason to believe that the high school diploma is not valid or was not obtained from an entity that provides secondary school education.

AP 5010, February 2026

Admission and Dual Enrollment of High School and Other Young Students

Admission criteria and procedures for younger students enrolling in the community college:

- Special part-time students (if applicable and as defined in Board Policy)
- Special full-time students (if applicable and as defined in Board Policy)
- Summer school students (if applicable and as defined in Board Policy)
- Agreements between school District(s) and community college District
- Credit granted for courses
- Limits on the number of units for which special part-time students may enroll
- Procedures for denial of request for full-time enrollment, including time constraints
- Procedures for recording board findings and reasons for denial of a request for admission by a student identified as highly gifted.
- Procedures for assigning a low enrollment priority to special part-time or full-time students, except for students attending a middle college high school if the student is seeking to enroll in a course that is required for the student's middle college high school program, to ensure they do not displace regularly admitted students.
- Procedures for maintaining records of enrollment of these students for apportionment purposes.
- Procedures for ensuring that claims for state apportionment for K-12 students meet all of the following criteria:
- The class is open to the general public
- The class is advertised as open to the general public in one or more of the following:
- The college catalog
- The regular schedule of classes
- An addendum to the catalog or schedule

If the decision to offer a class on a high school campus is made after publication of the District's regular schedule of classes, and the class is only advertised to the general public through electronic media, the class must be advertised for a minimum of 30 continuous days prior to the first meeting of the class.

If the class is offered on a high school campus, the class may not be held during the time the campus is closed to the general public, as defined by the school board.

If the class is a physical education class, no more than 10 percent of the enrollment of the class may consist of special part-time or full-time students.

To be considered for admittance as a special part-time student, the student must meet the eligibility standards as established in Education Code Sections 48800 and 76001.

Admission is subject to seat availability. The student must submit:

- district application for admission;
- written and signed parental or guardian consent;
- written and signed approval of his/her/their principal
- demonstration that the student is capable of profiting from instruction. The Director of Admissions, Records & Enrollment Services has the authority to make the final decision whether a student can benefit from instruction.

To be considered for admission as a special full-time student, the student must meet the eligibility standards as established in Education Code Section 48800.5.

Admission is subject to seat availability. The student must submit:

- district application for admission;
- written and signed parental or guardian consent;
- written and signed acknowledgment of their principal.
- demonstration that the student is capable of profiting from instruction;
- written approval of the governing board of the school district of attendance. The Director of Admissions, Records & Enrollment Services has the authority to make the final decision whether a student can benefit from instruction.

To be considered for admission as a special summer session student, the student must meet the eligibility standards as established in Education Code Sections 48800 and 76001. Students will not be admitted unless they have availed themselves of all opportunities to enroll in equivalent courses at their schools of attendance.

The student must submit:

- written and signed parental or guardian consent;
- written and signed approval of his/her/their principal that the student has availed himself/herself/themself of all opportunities to enroll in an equivalent course at his/her/their school of attendance; and
- demonstration that the student has adequate preparation in the disciplines to be studied.

All required documents shall be sent to the Director of Admissions, Records & Enrollment Services.

High School Students: For students attending high school, the Director of Admissions, Records & Enrollment Services will review the materials, and will determine if the student has the abilities and sufficient preparation to benefit from instruction at a community college. The decision of the Director of Admissions, Records & Enrollment Services shall be final. This determination may be done by one or more of the following options:

- a review of the materials submitted by the student;
- meeting with the student and their parent or guardian;
- consultation with the Department;
- consideration of the welfare and safety of the student and others; or
- consideration of local, state, or federal laws.

Middle and Lower School Students: For students attending middle and lower schools, the determination shall be made by the Director of Admissions, Records & Enrollment Services. The school must provide transcripts and a letter signed by the principal indicating how in their opinion the student can benefit from instruction. The Director of Admissions, Records & Enrollment Services will determine if the student has the abilities and sufficient preparation to benefit from instruction at a community college, and that the student's safety and that of others will not be affected. The decision of the Director of Admissions, Records & Enrollment Services shall be final. Once a decision has been made, the student, his/her/their parent or guardian and the school principal shall be informed of the decision. This determination may be done by applying one or more of the following criteria:

- a review of the materials submitted by the student;
- meeting with the student and his/her/their parent or guardian;
- consultation with the Director of Admissions, Records & Enrollment Services;
- consideration of the welfare and safety of the student and others;
- consideration of local, state, or federal laws;
- review of the content of the class in terms of sensitivity and possible effects on the minor;
- requirements for supervision of the minor; or
- times the class(es) meet and the effect on the safety of the minor.

Courses in which high school and other young students are permitted to enroll will be open to the entire college population and will be taught with the rigor appropriate to college-level courses in accordance with the approved course outline.

If a request for special part-time or full-time enrollment is denied for a pupil who has been identified as highly gifted, the Board shall provide written findings and reasons for the denial within 60 days. A recommendation regarding the request for admission, and the denial shall be submitted to the Board at a regularly scheduled meeting that falls at least 30 days after the request for admission has been submitted.

College and Career Access Pathways (CCAP): The governing board had adopted all the legal requirements of Education Code Section 76004 in order to participate in the College and Career Access Pathways (CCAP) partnership with the governing board of a school district or a county office of education for the purpose of offering or expanding dual enrollment opportunities for students who may not already be college bound or who are underrepresented in higher education, with the goal of developing seamless pathways from high school to community college for career technical education or preparation for transfer, improving high school graduation rates, or helping high school pupils achieve college and career readiness.

The District may enter into a CCAP partnership with a school district or county office of education partner that is governed by a CCAP partnership agreement approved by the governing boards of both partners. As a condition of adopting a CCAP partnership agreement, the governing board of each partner, shall do both of the following:

- For career technical education pathways to be provided under the partnership, consult with, and consider the input of, the appropriate local workforce development board to determine the extent to which the pathways are aligned with regional and statewide employment needs. The governing board of each partner shall have final decision-making authority regarding the career technical education pathways to be provided under the partnership; and
- Present, take comments from the public on, and approve or disapprove the dual enrollment partnership agreement at an open public meeting of the governing board of the district.

The CCAP partnership agreement shall be filed with the California Community Colleges Chancellor's Office and with the department before the start of the CCAP partnership, and shall:

- outline the terms of the CCAP partnership and shall include, but not be limited to, the total number of high school pupils to be served and the total number of full-time equivalent students projected to be claimed by the community college district for those pupils; the scope, nature, time, location, and listing of community college courses to be offered; and criteria to assess the ability of pupils to benefit from those courses.
- establish protocols for information sharing, in compliance with all applicable state and federal privacy laws, joint facilities use, and parental consent for high school pupils to enroll in community college courses. The protocols shall only require a high school pupil

participating in a CCAP partnership to submit one parental consent form and principal recommendation for the duration of the pupil's participation in the CCAP partnership.

- identify a point of contact for the participating community college district and school district or county office of education partner.
- certify that any community college instructor teaching a course on a high school campus has not been convicted of any sex offense as defined in Education Code Section 87010 or any controlled substance offense as defined in Education Code Section 87011.
- certify that any community college instructor teaching a course at the partnering high school campus has not displaced or resulted in the termination of an existing high school teacher teaching the same course on that high school campus.
- certify that a qualified high school teacher teaching a course offered for college credit at a high school campus has not displaced or resulted in the termination of an existing community college faculty member teaching the same course at the partnering community college campus.
- include a plan by the participating community college district to ensure both of the following:
  - A community college course offered for college credit at the partnering high school campus does not reduce access to the same course offered at the partnering community college campus and
  - Participation in a CCAP partnership is consistent with the core mission of the community colleges pursuant to Education Code Section 66010.4, and that pupils participating in a CCAP partnership will not lead to enrollment displacement of otherwise eligible adults in the community college.
- certify that both the school district and community college district partners comply with local collective bargaining agreements and all state and federal reporting requirements regarding the qualifications of the teacher or faculty member teaching a CCAP partnership course offered for high school credit.
- specify both of the following:
- Which partner will be the employer of record for purposes of assignment monitoring and reporting to the county office of education; and
  - Which partner will assume reporting responsibilities pursuant to applicable federal teacher quality mandates.
- certify that any pretransfer-level course taught by community college faculty at a partnering high school campus shall be offered only to high school pupils who do not meet their grade level standard in mathematics, English, or both on an interim assessment in grade 10 or 11, as determined by the partnering school district or county office of education, and shall involve a collaborative effort between high school and community college faculty to deliver an innovative pretransfer course as an intervention in the pupil's junior or senior year to ensure that the pupil is prepared for college-level work upon graduation.

A community college district participating in a CCAP partnership shall not provide physical education course opportunities to high school pupils or any other course opportunities that do not assist in the attainment of at least one of the following goals:

- developing seamless pathways from high school to community college for career technical education or preparation for transfer;
- improving high school graduation rates; or
- helping high school pupils achieve college and career readiness.

The District will not enter into a CCAP partnership with a school district or county office of education within the service area of another community college district, except where an agreement exists, or is established, between those community college districts authorizing that CCAP partnership.

A high school pupil enrolled in a course offered through a CCAP partnership shall not be assessed any fee that is prohibited by Education Code Section 49011.

The District shall assign priority for enrollment and course registration to a pupil seeking to enroll in a community college course that is required for the pupil's CCAP partnership program that is equivalent to the priority assigned to a pupil attending a middle college high school as described in Education Code Section 11300 and consistent with middle college high school provisions in Education Code Section 76001. Units completed by a pupil pursuant to a CCAP agreement may count towards determining a pupil's registration priority for enrollment and course registration at a community college.

The District may limit enrollment in a community college course solely to eligible high school students if the course is offered at a high school campus, either in person or using an online platform, during the regular school day and the community college course is offered pursuant to a CCAP partnership agreement.

The District may allow a special part-time student participating in a CCAP partnership agreement established pursuant to this article to enroll in up to a maximum of 15 units per term in courses offered at the community college campus or the participating high school campus, if all of the following circumstances are satisfied:

- The units constitute no more than four community college courses per term;
- The units are part of an academic program that is part of a CCAP partnership agreement established pursuant to this article; and
- The units are part of an academic program that is designed to award students both a high school diploma and an associate degree or a certificate or credential.

The governing board of the District exempts students seeking to enroll in a community college course required for the student's CCAP partnership program from the following fee requirements:

- Student representation fee (Education Code Section 76060.5)
- Nonresident tuition fee and corresponding permissible capital outlay fee or processing fee (Education Code Section 76140)
- Transcript fees (Education Code Section 76223)
- Course enrollment fees (Education Code Section 76300)
- Apprenticeship course fees (Education Code Section 76350)
- Child development center fees (Education Code Section 79121)

The District participating in a CCAP partnership agreement shall enroll high school pupils in any course that is part of a CCAP partnership agreement offered at a community college campus. Courses offered through the CCAP program may be offered at the community college campus or the participating high school campus.

The District or county office of education shall not receive a state allowance or apportionment for an instructional activity for which the partner has been, or shall be, paid an allowance or apportionment.

The attendance of a high school pupil at a community college as a special part-time or full-time student pursuant to this section is authorized attendance for which the community college shall be credited or reimbursed pursuant to Education Code Section 48802 or 76002, provided that no school district or county office of education has received reimbursement for the same instructional activity. For purposes of calculating classroom-based average daily attendance for classroom-based instruction apportionments, at least 80 percent (80%) of the instructional time offered by a charter school pursuant to an authorized CCAP partnership agreement shall be at the school site, and the charter school shall require the attendance of a pupil for a minimum of 50 percent (50%) of the minimum instructional time required to be offered pursuant to paragraph (1) of subdivision (a) of Education Code Section 47612.5, if the pupil is also a special part-time student enrolled in a community college pursuant to this section and the pupil will receive academic credit upon satisfactory completion of enrolled courses.

For each CCAP partnership agreement entered into pursuant to this section, the district shall report annually to the California Community Colleges Chancellor's Office, the Legislature, the Director of Finance, and the Superintendent all of the following information:

- The total number of high school pupils by school site enrolled in each CCAP partnership, aggregated by gender and ethnicity, and reported in compliance with all applicable state and federal privacy laws.
- The total number of community college courses by course category and type and by school site enrolled in by CCAP partnership participants.
- The total number and percentage of successful course completions, by course category and type and by school site, of CCAP partnership participants.
- The total number of full-time equivalent students generated by CCAP partnership community college district participants.
- The total number of full-time equivalent students served online generated by CCAP partnership community college district participants.

AP 5011, March 2026

Airforce Reserve Officer Training Corps (AFROTC)

The Air Force ROTC program is offered through the Aerospace Studies department at the University of California at Berkeley. Students may enroll in the program and attend one course per semester at the UC Berkeley campus at no cost. The Air Force ROTC courses are AEROSPC 1 - Foundations of the U.S. Air Force for first-year students (1 credit), AEROSPC 2 - Evolution of USAF Air and Space Power for second-year students (1 credit), AEROSCP 135 - Leadership Studies for third-year students (3 credits), and MILAFF 145 National Security Forces in Contemporary American Society for fourth-year students (3 credits). Additionally, all students (regardless of year) take AEROSPC 100 - Leadership Laboratory (0 credits) as the lab component for each of the academic courses. The Air Force ROTC program also includes a fitness program as well as Field Training, a 4-week summer program usually taken between second and third year. Upon completion of their college degree program and the ROTC program, students will commission as Second Lieutenants in the United States Air Force. To be eligible for Air Force ROTC, applicants should be a full-time student and meet additional fitness, GPA, testing, and other requirements. Qualified students may also compete for Air Force ROTC scholarships. Students interested in learning more about the Air Force ROTC program at Berkeley can find more information at the department website, http://airforcerotc.berkeley.edu or contact the department at afrotc@military.berkeley.edu or (510) 859-3010.

Assessment

Assessment for placement is one of the critical steps to help students start on a successful pathway in college. It is also critical that students understand their placement options, and their rights to access transfer level coursework. If the student has graduated from a U.S. high school within the last ten years (or will be graduating this academic year), their math and English placement will be calculated upon admissions and their results can be viewed in the Bear Cub Hub (https://experience.elluciancloud.com/sjc155/). All other students will do a guided self-placement activity for math and English. If students are interested in English for Multilingual Students (EMLS) coursework, it is recommended that they take the EMLS Guided Self-Placement to determine their appropriate level.

Students may fulfill the assessment for placement requirements by using the following information or methods. Specific information regarding each method and eligibility can be found at assessment.santarosa.edu (https://assessment.santarosa.edu/)

Special Accommodations

If you have a verifiable disability and require accommodations for assessment needs, contact Disability Resources Department at the Santa Rosa Campus at (707) 527-4278 or the Petaluma Campus at (707) 778-2430 https://drd.santarosa.edu/.

Auditing Classes

In conformity with California Education Code 76370, Santa Rosa Junior College has adopted a policy which permits the auditing of classes.

Attending classes with the intent to audit without registering as an auditor is not permitted. Students may audit certain selected classes for a fee of $15.00 per unit plus any additional course costs. Students regularly enrolled in 10 or more units may audit up to 3 units free of charge.

The procedures and conditions for auditing a class are as follows:

1. Courses in which auditing is allowed will be posted each semester in the Admissions, Records & Enrollment Development Office and the online Schedule of Classes. The list of auditable courses is maintained by the Curriculum Office.

2. Appropriate unit fees, based on Education Code (plus any additional course costs) must be paid.

3. Students currently enrolled in 10 or more units may audit up to 3 units free of charge.

4. Auditor status will be allowed only if a student has exhausted repeat possibilities as a regular student in selected classes (See Repeat/Policy Codes in the Schedule of Classes).

5. Auditors must be eligible for admission to College as regularly enrolled students.

6. Auditors must meet the course prerequisite.

7. Instructor must sign an audit card to show approval for student to attend class as an auditor on a space available basis.

8. Auditors will be allowed to register only after the first census date for the course in order to give priority to students registering for credit. Auditors will not be permitted to attend the course until enrollment is secured after first census. Auditors must submit an Audit Card signed by the instructor to the Office of Admissions, Records & Enrollment Development to secure enrollment.

9. Auditors may NOT change their status to regular student in the class (or reverse).

10. Once the auditor fee is paid, it will not be refunded.

11. Students registered, as auditors only, will not be entitled to the regular student health services (other than emergencies).

12. No grades can be earned or transcripts maintained.

13. The instructor and student auditor will agree upon the auditor's level of participation in the class.

If you meet requirements to audit one of the courses below, please get in touch with Admissions & Records to request an Audit Registration form at: **admissions@santarosa.edu**.

Please refer to the following link for a list of courses currently allowed for auditing: https://classes.santarosa.edu/auditable-courses

*Based on Pro*cedure 8.1.15P, Reviewed January 2012

Bear Cub Hub

The Bear Cub Hub (https://experience.elluciancloud.com/sjc155/), is used by all students to add/drop/register for classes, view grades, pay fees, receive announcements from instructors and much more.

Continuing Education

The College serves the needs and interests of both the part-time and full-time students by providing a wide range of college credit and noncredit courses, including programs during the day and evening hours and on weekends. In addition to the main body of classes offered at the Santa Rosa Campus, the College also conducts classes at the Petaluma Campus, Cloverdale, Forestville, Healdsburg, Point Arena, Rohnert Park, Windsor, and other areas within the District, as needed.

Admission to off-campus courses is governed by the same requirements as admission to the on-campus courses. High school graduates and holders of high school certificates of proficiency, regardless of age, are eligible. Non-high school graduates must be at least 18 years of age to be eligible. High school students may enroll in a limited number of classes with the permission of their high school principals.

A full range of college credit courses are offered during the evening hours, allowing a student to fulfill all of the requirements for the associate's degree, a variety of Career Education certificates, and the requirements for transfer to a four-year college or university.

The College offers programs in Career Education areas designed to upgrade employee skills. These areas include: Administration of Justice/Public Safety, Agriculture/Natural Resources, Applied Technology, Apprentice Education, Business Administration, Child Development, Computer Studies, Electronics, Health Sciences, and Industrial and Trade Technology. Refresher courses in various Career Education areas are offered as needed.

Noncredit classes are offered in English of Multilingual Students, Child Development, Adult Education, Health Education, and Learning Skills. Some courses are designed specifically for older adults and persons with disabilities.

Refer to the current Schedule of Classes or www.santarosa.edu (http://www.santarosa.edu/) for current class listings and information or call the individual department.

Course Registration and Add Codes

Adding and Dropping Classes

Students must have a current application on file or be in continuing student status before they can add or drop classes.

Adding or dropping classes is not automatic. Students can make schedule changes through the Bear Cub Hub (https://experience.elluciancloud.com/sjc155/).

It is always the student's responsibility to officially drop a class if they decide not to attend. Failure to do so may result in outstanding fees and/or a failing grade. Students who miss the first class meeting may be dropped by the instructor; however, students should never assume an instructor will add or drop them from a course. Students are responsible for monitoring their enrollment and should keep a copy of all registration transactions for their records.

Add Codes

After a class has closed, students may still be able to enroll if space is available and the instructor grants permission. Students should request permission from the instructor. If approved, the instructor will provide an add code.

To use an add code, students should log in to the Bear Cub Hub (https://experience.elluciancloud.com/sjc155/) using their student ID and PASSWORD. Locate and click on the Student Registration and Records Card. Next, select "Open Student Dashboard" to access registration tools.

Online enrollment services are available 24 hours a day, except during occasional scheduled maintenance periods.

Fee Schedule and Information

Although there is a state-mandated enrollment fee for all students, there is no tuition charge at Santa Rosa Junior College for California residents. The following are current SRJC fees:

Fee	Cost	Notes
Auditor Fee	$15.00 per unit	N/A
Enrollment Fee	$46.00 per unit	Subject to change by California State Legislature.

Course Costs	Variable	N/A
GED Test	$140.00 all 4 subjects/ $35.00 per subject	N/A
Health Fee	Summer 2026 $23, Fall 2026 $28, Spring 2027 $28	N/A
Capital Outlay	$2.00 per unit (in addition to enrollment fee and non-resident tuition)	Subject to change by California State Legislature. Any student who can demonstrate economic hardship, or who is a victim of persecution or discrimination in the country in which the student is a citizen and resident, is exempt from this fee. Economic Hardship defined: Economic hardship may include loss of financial assistance or sponsorship, substantial fluctuations in the value of currency or exchange rate, unexpected changes in the financial condition of a student's source of support, or other substantial and unexpected changes in income or expenses. This shall include the financial circumstances of a person who is a recipient of benefits under the Temporary Assistance to Needy Families Program, the Supplemental Income/ State Supplementary Program, or a general assistance program.
Non-resident Tuition	$409.00 per unit	N/A
Student Photo Identification Fee	The first photo ID card is free. Replacements cards are $5.00.	N/A
Student Representation Fee	$2.00	$1 supports the local advocacy and $1 is remitted to the state and supports statewide advocacy
Student Center Fee	One dollar ($1) per unit, not to exceed ten dollars ($10) per fiscal year. This may be required of all students attending community college where the centers are located. This requirement shall not apply to students enrolled in non-credit classes or those enrolled in the Temporary Assistance for Needy Families Program, the Supplemental Security Income/ State Supplementary Program or the General Assistance Program.	N/A
Student Transportation Fee	This may be required of all students attending community college where the centers are located. One dollar ($1) per unit, not to exceed ten dollars ($10) per semester and five dollars ($5) for the summer term.	N/A

Transcript Fee	Santa Rosa Junior College waives the Transcript Fee for official transcripts for the first two ever ordered. Subsequent transcripts are $5.00 each. (Processing and Delivery fees of $3.50-$4.85 per transcript will apply to all orders). Pick up service is available for an additional $5.00. Transcript requests are typically processed in 3-5 business days. Unofficial transcripts may be obtained via the Bear Cub Hub or in-person with a photo ID at no charge. Unofficial Transcripts are not available for records prior to Fall 1981. For records prior to Fall 1981, you will have to order an Official Transcript. To request your official SRJC transcript go to: https://admissions.santarosa.e transcripts	N/A
Degree/Certificate Verification Fee	$17.95 each	Note: It is recommended that students request an official transcript instead of a degree verification when obtaining official proof of completing a degree or certificate.
Enrollment Verification Fee	Free via the Bear Cub Hub.	N/A

Debts Owed
Before registering for classes, students must clear any prior semester debts/payments to the College at the Accounting Office or online in the Bear Cub Hub (https://experience.elluciancloud.com/sjc155/) with a credit card.

Fees
Enrollment Fees: All students are required by state regulations to pay an enrollment fee. For information about fee waivers, deferments and grants related to this fee please visit: https://financialaid.santarosa.edu/

Non-Resident and International Student Tuition: A California resident is one who has established legal residence for one year prior to the first day of instruction. Students who are residents of other states wishing to change their residency must show intent to remain. Just being present does not prove intent. Reasonable evidence of permanent stay in California determines state residency. Such as: local voter registration, employment verification, DMV documentation, state income tax and other proof of California residency. The State of California requires all Non-Resident students and International Students to pay the non-resident fee per unit AND capital outlay fee per unit in addition to the enrollment fee.

Note: AB540/SB68, Exemption from Non-Resident Tuition for certain eligible California high school graduates. For more details, refer to the Admissions homepage on the SRJC website: https://admissions.santarosa.edu/ab540sb-68-nonresident-tuition-exemption.

Health Services Fee: SRJC charges a fee to support the operation of Health Services. This is a state-mandated fee with waivers for students who depend exclusively on prayer for healing, approved apprenticeship and audit students, incarcerated students, and students enrolled in only "0" unit courses. All students enrolled in credit courses will be required to pay the health fee, including students qualifying for BOG fee waivers.

Student Transportation Fee: The Student Transportation Fee is collected to reduce or eliminate transit fares for services provided by common carriers or municipally-owned transit systems; this could include Sonoma County Transit, Santa Rosa CityBus, Petaluma Transit and the SMART Train. This fee does not apply to students enrolled in non-credit classes or those enrolled in the Temporary Assistance for Needy Families Program, the Supplemental Security Income/State Supplementary Program or the General Assistance Program.

Student Representation Fee: The Student Representation Fee provides support for student representatives who state positions and viewpoints before city, county, and district governments and before offices and agencies of the state and federal government. Students may opt-out of paying the Student Representation Fee for religious, political, financial, or moral reasons.

Procedure 5.4P, Revised January, 2018.

Independent Study Courses (Courses numbered 49 and 98)

Independent Study or special project courses are numbered "49" and "98," and are offered to provide an opportunity for students to further their knowledge and skills in a specific subject.

It provides the student experience in planning and outlining a course of study on his own initiative under instructor and departmental supervision.

It provides experience in working independently of a formal classroom situation and hopefully will inculcate in students a commitment to continuing independent self-education in the years following formal higher education.

The College believes many of its students have reached a point of competence and self-discipline necessary to carry on special project courses. These courses will be considered as elective credit in the particular department in which the course is offered.

It is recommended that students who contemplate enrolling for special project courses should have completed one semester of college work and should have taken at least one previous course in the specific department in which the course is offered.

An eligible student desiring to register for "49/98" courses must first develop their own project and submit this in writing for the approval of the instructor who will guide the project, the chairperson of the

department in which the course is given and the Office of Academic Affairs. Request forms are available in the offices of instructional deans.

The applicant will show that his background is adequate for the proposed study. The privilege of “special projects” courses is limited to students who have at least a 2.00 (C) grade average in all courses previously taken in the field or department in which the “special project” is to be taken, either in this institution or in work which may have been attempted at other institutions. Students who are on academic probation are ineligible for independent study. The requirements may be waived in exceptional cases.

Regular meetings between student and instructor are held. Examinations, including a final, plus field trips, term papers, and other assignments may be made by the instructor.

A total of six (6) units credit is allowed toward the AA degree or 60-unit transfer requirement for any combination of “49” and “98” courses. It is recommended that three (3) units a semester be considered a reasonable load.

Other than independent study projects, the “98” series also may include classroom laboratory teaching assistance.

1. The student and instructor fill out the form together. Note that the form asks for a detailed course description. As this is a contract between the student and the instructor, expectations should be concrete and clear. See the catalog or review the attached policy statement about the nature of special studies.
2. The student is responsible for securing the signatures of the Department Chair and the supervising administrator.
3. It is the student’s responsibility to obtain the add code from the instructor and to enroll in the class.

Steps 1 and 2 should be completed at least one week prior to the last day to add.

Procedure 3.17P, Revised February 2012

Open Classes

It is the policy of the District that, unless specifically exempted by statute, every course, course section, or class reported for state aid wherever offered by the District shall be fully open to enrollment by any person admitted to the College and who meets such prerequisites as may be established.

Policy 5010, March 2026

Petition for Waiver of College Regulations

A student may complete a petition to waive local college regulations at the Admissions, Records and Enrollment Development Office forms webpage at: http://admissions.santarosa.edu/forms

Refunds

Due to changing registration and other state-mandated fees, up-to-date refund schedules are contained in the current Schedule of Classes. For current details regarding the fee amounts, refund policy, and services available please visit: https://accounting.santarosa.edu/student-fees-and-refund-deadline-dates.

It shall be the policy of Sonoma County Junior College District to maintain a current schedule of fees and refunds consistent with State requirements. Permissive and mandatory registration-related fees are so identified in the Schedule of classes each semester, along with a listing of deadlines for refunds.

The District reserves the right to require the students to provide instructional and other materials required for a credit or noncredit course, provided that such materials are of continuing value to a student outside of the classroom setting, and provided that such materials are not solely or exclusively available from the District. A material is not considered to be "solely or exclusively available from the District" if it is provided to the student at the District's actual cost and:

1. The material is otherwise generally available, but is provided solely or exclusively by the District for health and safety reasons; or

2. The material is provided in lieu of other generally available but more expensive material that would otherwise be required.

It shall be the policy of the District to withhold registration privileges and certified transcripts and diplomas from any student or former student who is delinquent on any debt due to the College. Applicable debts include, but are not limited to, non-resident tuition, required fees, student loan repayments and unreturned or uncompensated District property.

Tuition or fee waivers shall not be permitted except for exceedingly unusual circumstances. Authority to waiver selected fees or tuition for individual students rests with the Vice President, Business Services (or designee) or with the Director, Admission, Records and Enrollment Development (or designee).

Fee deferments are authorized when deemed necessary by employees of the College who have administrative responsibility for specially funded programs such as the Extended Opportunity Program and Services or through the accounting offices for students who demonstrate financial hardship of a temporary nature.

Policy 8.1.4, Reviewed January 2012

Registration Priority

The California Community Colleges Board of Governors recently approved changes that establish system-wide enrollment priorities designed to ensure classes are available for students seeking job training, degree attainment, or transfer and to reward students who make progress toward their educational goals.

All new and returning students must complete Orientation and have an Education Plan on file in order to ever earn a registration priority. If you are a continuing or returning student who began spring 2015 or after and do not have priority, one or more of the following steps is missing: orientation or education plan. Please see a counselor to review your options to receive registration priority. Please visit the Priority Registration website for more information: https://admissions.santarosa.edu/priority-registration

Reinstatement in a Class

A student who has been dropped from a class by an instructor because of excessive absence or failure to complete classwork may be reinstated.

If the student agrees to make up work missed and obtains the approval of the instructor within stated deadlines, he or she will be reinstated. In such cases, the student must complete a **Petition: Add a Class Late or Reinstate** with the Admissions and Records Office at: https://admissions.santarosa.edu/forms

Remedial Coursework Unit Limitation

It shall be the policy of the Sonoma County Junior College District to exercise a limit on the number of remedial coursework units a student may earn within the district. Such limitation will take into account appropriate exemptions and waivers for certain students as permitted by the Title 5 California Code of Regulations. The College shall establish and publish procedures that will assure implementation of reasonable standards for student notification, dismissal, appeal and reinstatement pursuant to this policy.

I. Remedial Coursework Definition

The remedial courses shall include those non-degree applicable basic skills credit courses in reading, writing, computation, and English for Multilingual Students designed to ensure acquisition of those skills necessary for successful completion of associate degree, transfer, and occupational courses.

II. Unit Limitation

A. A student is permitted to earn a cumulative total of thirty (30) semester units of remedial courses at Santa Rosa Junior College.

B. Credit course units transferred from other colleges will not count in the 30 unit limitation.

III. Exemptions

All remedial courses taken by students enrolled in an English for Multilingual Students course and students identified by the district as having a verified learning disability are exempted from the 30 unit limitation. Students with other verified disabilities may be exempted on a case by case basis.

IV. Notification

Students will not be permitted to enroll in remedial courses above their individual 30 unit limit unless a waiver has been granted.

Students having exhausted the unit limitation shall be referred for further remedial work to appropriate non credit course alternatives.

V. Waiver

A. Students may submit a petition to the Office of Admissions, Records and Enrollment Development to waive the 30 unit limitation prior to the date the requested course begins.

B. Petitions for waiver must include specific documentation of the student's measurable progress toward the development of skills necessary for college level courses as corroborated by faculty recommendation, satisfactory overall grade average, competency assessment, or course work completed elsewhere.

C. Petitions for waiver must specify the number of units and the course work, or time anticipated to be necessary to attain the desired skill level at Santa Rosa Junior College.

VI. Reinstatement

A student may petition the Office of Admissions, Records and Enrollment Development for reinstatement to the credit course program upon demonstration of skill levels appropriate for college level course work as corroborated by faculty recommendation, satisfactory overall grade average, competency assessment, or course work completed elsewhere.

Policy 8.1.14 and procedure 8.1.14P, Reviewed January 2012

Residency Requirements

Any person enrolling in Santa Rosa Junior College is subject to the residency requirements determined by the Education Code of the state of California. Residence is classified as follows:

Resident Student

A resident student is one who has a legal residency in California for more than one year immediately preceding the beginning of the semester and who demonstrates the intent to remain.

Non-resident Student

A non-resident student is one who does not have legal residence in California for more than one year immediately preceding the beginning of the semester. Such students are required to pay a tuition fee.

All new students will be required to file an application and statement of residence.

Nonresident Tuition

Exemptions to the non-resident tuition fee requirements include any students, other persons excluded from the term "immigrant" for purposes of the federal Immigration and Nationality Act (8 U.S. Code Section 1101(a)(15)), who meet the following requirements:

- either high school attendance in California for three or more years OR attainment of credits earned in California from a California high school equivalent to three or more years of full-time high school coursework and a total of three or more years of attendance in California elementary schools, California secondary schools, or combination of those schools;
- graduation from a California high school or attainment of the equivalent thereof;
- registration or enrollment in a course offered for any term commencing on or after January 1, 2002;
- filing a California Nonresident Tuition Exemption Request form with the District or in the case of students applying for state-based financial aid, by filing a California Dream Act Application (CADAA) with the California Student Aid Commission verifying eligibility for this non-resident tuition exemption; and
- in the case of undocumented persons, the filing of an affidavit that the student has filed an application to legalize his/her/their immigration status, or will file an application as soon as he/she/they is eligible to do so.

Exemptions to the non-resident tuition fee requirements include any students who meet the following requirements:

- demonstrates financial need;
- has a parent who has been deported or was permitted to depart voluntarily;

- moved abroad as a result of that deportation or voluntary departure;
- lived in California immediately before moving abroad;
- attended a public or private secondary school in the state for three or more years; and
- upon enrollment, will be in their first academic year as a matriculated student in California, and will file an affidavit with the District stating that they intend to establish residency in California as soon as possible.

Exemptions to the non-resident tuition fee requirements include any persons granted "T" or "U" visa status under title 8. U.S. Code Section 1101(a)(15)(T)(i) or (ii), or section 1101(a)(15)(U)(i) or (ii) respectively, who meet the following requirements:

- high school attendance in California for three or more years;
- graduation from a California high school or attainment of the equivalent thereof;
- registration or enrollment in a course offered for any term or commencing on or after January 1, 2002; and
- filing a California Nonresident Tuition Exemption Request form with the District or in the case of students applying for state-based financial aid, by filing a California Dream Act Application (CADAA) with the California Student Aid Commission verifying eligibility for this nonresident tuition exemption.

Exemptions to the non-resident tuition fee requirements include a special part-time student, other than a person excluded from the term "immigrant" for purposes of the federal Immigration and Nationality Act under 8. U.S. Code Section 1101(15)(a), participating in a College and Career Access Pathways (CCAP) partnership program and enrolled in no more than 15 units per term.

Exemptions to the non-resident tuition fee requirements include any nonresident student who enrolls in a credit English as a Second Language course at the District and who is any of the following:

- A recent immigrant, as defined in 8 U.S. Code Section 1101(a)(15);
- A recent refugee, as defined in 8 U.S. Code Section 1101(a)(42); or
- A person who has been granted asylum by the United States, as defined in 8 U.S. Code Section 1158.
- This exemption applies only to individuals who, upon entering the United States, settled in California and who have resided in California for less than one year. This exemption applies only to the tuition fee for credit ESL courses.

Pursuant to the District's authority under Education Code Section 76140(a)(2) and other applicable law, exemptions to the non-resident tuition fee requirements include any student who: 1) is both a citizen and a resident of a foreign country; and 2) has demonstrated financial need. This exemption may be made on an individual basis and applies to no more than 10% of the nonresident foreign students attending the District.

Non-resident tuition fees will be approved by the Board of Trustees no later than March 1 of each year.

Education Code Section 76140 specifies seven options for a district to choose in setting its nonresident tuition fee.

Pursuant to Education Code Section 76141, a district may also charge a capital outlay fee to nonresident students, other than those with exemptions pursuant to Assembly Bill 540.

Full refunds of non-resident tuition fees will be granted through 14 calendar days of a full semester and ten percent of the length of the course for short-term classes and summer term classes.

The District shall post on its website a notice listing criteria for exemptions from paying nonresident tuition.

Reference: AP 5020

Determining In-State Residency

A resident is a student who has residence in California for more than one year immediately preceding the opening day of instruction and has demonstrated an intent to remain. Demonstration of intent may be attained by filing California State Income Tax forms or registration to vote in state and local elections or other reasonable evidence of permanent stay in California, such as vehicle registration, work documentation, etc.

1. Persons who are 18 years of age or older may establish residency in accordance with the above statement. Year of residency must begin after the eighteenth birthday.
2. Persons who are under 18 years of age may establish residency in accordance with the above "Resident" definition and the following:
   a. Married minors may establish their own residence.
   b. The residence of the supporting parent is the student's residence. In the event of death of both parents, the minor may determine his/her own residence.
   c. The residence of an unmarried minor who has a parent living cannot be changed by his/her own act, by appointment of a legal guardian, or by relinquishment of a parent's right of control. E.C.S68000
3. A student who has U.S. "permanent residence status" may establish residency in accordance with the preceding "Resident" definition.
4. Refugees, asylees, and other applicants for legal immigration status may establish residency in accordance with the preceding "Resident" definition.

The residency determination date is the day prior to the first day of instruction of each semester. The current Schedule of Classes gives dates for the current semester.

All students classified as non-resident are required to pay a nonresident tuition fee per unit per semester at the time of registration. This fee is subject to annual change.

A non-resident student enrolled (as a resident) in error, because of falsification of information will be excluded from classes upon notification pending payment of the fee, shall not be readmitted during the semester or summer session from which he/she was excluded, and shall not be admitted to any subsequent semester or session until all previously incurred tuition obligations are paid.

Military and Veterans Nonresident Tuition Exemption

Military personnel on active duty in California, their spouses and dependent children exempt from non-resident fees. Other exemptions to tuition for military personnel may be available pursuant to Veterans Access Choice and Accountability (VACA). Contact Admissions & Records for information or go to http://admissions.santarosa.edu/forms

Non-resident Tuition Waiver Under AB540

Exemption from non-resident tuition is available to certain non-resident students who attended high school in California for at least three years and received a California high school diploma, or meet equivalent requirements as specified by related statutes. Contact Admissions & Records for information and an exemption request form or go to: http://admissions.santarosa.edu/forms

Non-resident students do not automatically become residents by being in California for one year. A student seeking reclassification from non-resident to resident status must complete and file a Residency Reclassification Request Form providing evidence of both physical presence and intent to establish permanent California residency more than one year prior to the start of the semester in which the student is seeking reclassification. The burden of proof is on the student to clearly demonstrate physical presence in California, intent to establish California residency and, in the case of students changing from non-resident to resident, financial independence from non-resident parents.

Schedule of Classes

The current Schedule of Classes lists day and evening classes, both on and off-campus, and is published each semester. The Schedule of Classes also includes registration procedures, information about courses offered, student load limitations, program changes, calendar dates, graduation, general education requirements, and certificate requirements. Class information is available at classes.santarosa.edu (https://classes.santarosa.edu/).

Student Classification

Freshman: A student who has completed fewer than 30-semester units.

Sophomore: A student who has completed 30, but fewer than 60-semester units or who has 60 or more units but does not hold a degree.

Full-time: Students enrolled in 12 or more units in the fall or spring semester; 6 or more units in the summer term. Courses being repeated or short-term courses may not be included in computing full-time status. Note: For financial aid payment purposes, full-time is 12+ units, regardless of the academic term.

Half-time: Students enrolled in 6 to 11.5 units in the fall or spring semester; 3 to 5.5 units in the summer term.

Part-time: Students enrolled in 5.5 or less units in the fall or spring semester; 2.5 or less units in the summer

Student Load

All units, including all repeat units, are counted to compute student load. A normal load is 12-17 units. Work Experience units are included in the student load.

The summer session is one-third to one-half shorter than fall or spring semester, and the accelerated pace and intensity may make subject areas more difficult for students. Therefore, 6 units in a summer session may be equivalent to a full-time load during the regular semester. Students who wish to enroll in more than 6 units during the summer should consider this and consult with a counselor for assistance in summer planning.

Continuing students are limited to a maximum of 20 units during the priority registration period. Students who wish to enroll in more than 20 units may submit a petition for consideration. Approval is based on evidence that the student can successfully manage an increased course load.

Unit Defined

One lecture hour and two hours of outside work throughout the semester ordinarily serve as a basis for one unit of credit. The number of hours required per semester unit of laboratory or other activity is approximately three, depending upon the character of the work. Thus, one semester unit credit hour of community college work should be approximately 48 hours of lecture, study, recitation, demonstration-discussion, and laboratory work or any combination thereof.

Unit Limitations

Some students must adhere to unit limit requirements in order to maintain their status in a program. The following is the current list of student populations with unit limitations:

Veterans: Minimum of 12 units per semester for full subsistence benefits.

International Students: Minimum of 12 units per semester.

Varsity Athletes: Minimum of 12 units per semester.

Doyle Scholarship Students: Minimum of 12 units per semester for full award.

High School Dual Enrolled Students: Up to 11 units.

Non-Credit Students: limited to enroll in non-credit (zero unit) courses.

Work/Study Loads

Students working part-time should limit their college load. It is recommended that students who work part-time should follow these proportions in distributing their time per week:

Academic Units	Lecture,Lab,Hours	Work Activity Units
12-15	36-45	8-15
9-12	27-36	15-20
3-9	9-27	20-40

RIGHTS, RESPONSIBILITIES, POLICIES AND REGULATIONS

- Academic Freedom (p. 34)
- Academic Honors (p. 34)
- Academic Integrity (p. 34)
- Attendance Requirements (p. 36)
- Campus Crime Reporting and Campus Security Act (Clery Act) (p. 37)
- Changes in Requirements (p. 37)
- Copyright Policy (p. 37)
- Credit for Prior Learning (p. 37)
- Directory Information (p. 40)
- District Policies and Procedures (p. 40)
- District Regulations (p. 40)
- Educational Leaves & Students in the Military (p. 42)
- Faculty Members' Obligation to Student (p. 43)
- Family Educational Rights and Privacy Act of 1974 (FERPA) (p. 44)
- Gender Equity (p. 44)
- Grade Changes (p. 44)
- Grade Point Average (GPA) (p. 44)
- Grade Reports (p. 45)
- Grading Policy (p. 45)
- Multiple and Overlapping Enrollments (p. 48)
- Probation, Dismissal, Readmission, and Renewal (p. 49)
- Repetition of Courses (p. 50)
- Student Complaint/Grievance (p. 51)
- Student Conduct and Discipline Due Process (p. 54)
- Student Equity (p. 59)
- Student Obligations and Responsibilities (p. 59)
- Student Right to Know (p. 59)
- Student Success and Support Program (p. 60)
- Taxpayer Relief Act of 1997 (Education Tax Credit) (p. 61)
- Title IX: Sexual Misconduct Prevention & Response (p. 62)
- Transcripts (p. 62)
- Unlawful Discrimination and Sexual Harassment (p. 62)
- Verifications (p. 62)
- Wait Lists (p. 63)

Academic Freedom

The Board of Trustees recognizes that Academic Freedom is necessary to the pursuit of truth and supports the principles of Academic Freedom enunciated in the contract negotiated between the recognized faculty bargaining units and the District. The contract language is hereby incorporated into District policy by reference.

Policy 3.8, Reviewed January 2012

Academic Honors

The Academic Honors designation recognizes students who have maintained high scholarship in 12 or more graded units in the fall and spring semesters:

Honors: GPA between 3.20 and 3.39
High Honors: GPA between 3.40 and 3.59
Highest Honors: GPA between 3.60 and higher

Students who fulfill these requirements receive acknowledgment on their permanent transcript. Written recognition from the Admissions and Records office is available upon request.

Policy 8.1.10, Revised June 2013

Academic Integrity

Sonoma County Junior College District (SCJCD) holds that its primary function is the development of intellectual curiosity, integrity, and accomplishment in an atmosphere that upholds the principles of academic freedom. All members of the academic community - student, faculty, staff, and administrator - must assume responsibility for providing an environment of the highest standards, characterized by a spirit of academic honesty and mutual respect. Because personal accountability is inherent in an academic community of integrity, this institution will not tolerate or ignore any form of academic dishonesty.

Academic dishonesty is regarded as any act of deception, benign or malicious in nature, in the completion of any academic exercise. Examples of academic dishonesty include cheating, plagiarism, collusion, and other academic misconduct.

Faculty, students and administrators are partners in maintaining the District's academic integrity in accordance with the guidelines delineated below.

Faculty Responsibilities

1. Conduct each course in a manner that encourages mutual respect, honorable behavior, and learning, thereby promoting student success and discouraging academic dishonesty.
2. Inform students of the course requirements, grading procedures, and rules and expectations for acceptable conduct and behavior in each course, including definitions of academic dishonesty and the ethical use of technology. A statement about academic integrity and consequences should appear in the course syllabus.
3. Inform students of the SRJC policy on Academic Integrity and the Student Conduct Standards, which is in the SRJC College Catalog and part of the District Student Discipline policy. Explain how these policies will be applied in each course.
4. Inform students of their rights to due process should they wish to contest an allegation or penalty.

Student Responsibilities

1. Conduct oneself in a respectful, honorable manner that focuses on learning, academic honesty, and success for both oneself and other students.
2. Learn and understand the course requirements, grading procedures, and rules and expectations for acceptable conduct and behavior in

each course, including definitions of academic dishonesty and the ethical use of technology.
3. Learn and understand the SRJC policy on Academic Integrity and the Student Conduct Standards, which is in the SRJC College Catalog and part of the District Student Discipline policy.
4. Learn and understand students' rights to due process in contesting an allegation or penalty made by an instructor or other representative of the district.

Department Chair/Program Director/supervising Administrator Responsibilities

1. Support department/program faculty in their efforts to maintain an environment that promotes academic honesty.
2. Promote and maintain consistent department/program practices in dealing with incidents of academic dishonesty. This may include, but is not limited to, conducting discussions of best practices for both students and faculty.
3. Consult with instructors and the Vice President of Student Services or designee in reviewing cases and determining appropriate sanctions.
4. Act as liaison, when necessary, between student and instructor, or between instructor and Administration.

Administrative Responsibilities

1. Support faculty and students in their efforts to maintain academic honesty.
2. Make readily available the Academic Integrity policy and procedure to faculty, students, and staff.
3. Provide appropriate technology and other resources to assist faculty and staff in identifying acts of academic dishonesty.
4. Enforce the due process procedures provided in the Student Conduct Standards to deal promptly, fairly, and justly with cases of alleged academic dishonesty so the procedures gain and hold the confidence of students and instructors.
5. Ensure that all policies and procedures be applied equally and uniformly throughout the District, and are consistent with the Education Code and District policy.
6. In particular, the Vice President of Student Services or designee will keep and maintain documentation of violations.

Types of Academic Dishonesty

Acts of academic dishonesty include, but are not limited to, the following:

- Cheating: Any act of obtaining or attempting to obtain credit for academic work through the use of dishonest, deceptive or fraudulent means.
- Plagiarism: Any act of submitting the work of another, in whole or in part, as one's own without properly referencing the source. This includes use of direct quotations, paraphrases, ideas and facts which are not common knowledge, whether the sources are published or unpublished.
- Collusion: Any act where a student knowingly or intentionally helps or is helped by another student(s) to commit an act of academic dishonesty.
- Other Academic Misconduct: Any act such as stealing, altering grades, forging, sabotaging the work of others, lying or any other acts of academic dishonesty as deemed by instructor.

When Academic Dishonesty is Suspected

When an instructor suspects that a student has committed an act of academic dishonesty, he/she should:

1. Withhold the student's grade on the assignment in question until the completion of appropriate review, following the procedures listed here. Should this process continue beyond the date on which the course grades are due, an incomplete grade may be assigned, until such time as a decision of exoneration or sanction is determined.
2. Review all policies and procedures related to academic dishonesty such as Student Conduct Standards and Due Process. Faculty are required to apply policies and procedures equally and uniformly.
3. Determine the type of academic dishonesty that occurred.
4. Collect supporting documentation, if available (such as copies of examinations, reports, or assignments that have been plagiarized, duplicated or inappropriately collaborated on by students, plagiarism detection software report, Internet search results or other).
5. Write a summary outlining the incident, including date, time, place and any other specific or relevant details.
6. Report the suspected act of academic dishonesty to the Department Chair/Program Director or Supervising Administrator.
7. Determine the appropriate action, and, if necessary, sanction (see options below).
8. Notify the student in person or in writing of the suspected act of academic dishonesty and arrange a meeting outside of class to discuss the matter. The meeting should occur within ten instructional days of the date the instructor became aware of the alleged act of academic dishonesty. In an online course, the instructor will contact the student using a method that generates a confirmation of receipt of the message. If the act of academic dishonesty occurs on a team project, consult with students individually.
9. Provide the student with the Academic Integrity Policy, Student Conduct Standards and Due Process, along with supporting documentation and written summary of alleged act of academic dishonesty.
10. If after meeting with the student, the instructor still finds the allegations to be true, inform the student in person or in writing of the intended sanction, and file an Academic Dishonesty Incident Report with the Vice President of Student Services or designee. The student may also submit a statement.

Actions

1. **Exoneration**. If, after meeting with the student, the instructor determines the allegations are false, the student will be exonerated, and no Academic Dishonesty Incident Report form will be filed. In the case of team/collaborative projects, if an offending team member is determined to have acted alone, the other members will be exonerated.
2. **Sanction**. Sanctions for acts of academic dishonesty may be academic and/or administrative. Team/collaborative projects where a single student may have committed an act of dishonesty can lead to sanctions against the entire team unless the offending student admits to committing the act independent of others.
    a. **Academic Sanction**: If an instructor determines that an act of academic dishonesty has occurred, he or she shall apply the

appropriate sanction. A failing grade for the entire course is not an allowable academic sanction. However, an assignment for which a grade of zero is given could lead to unsuccessful course completion depending on the weight of the assignment in the course grading system if it drops the student's grade below a passing average.

i. If, following the meeting with the instructor, the student admits to the incident of academic dishonesty, the instructor will determine the appropriate sanction. This can include, but is not limited to, requiring that the assignment be resubmitted, deducting grade points, and/or awarding a grade of zero on the assignment in question.

ii. If the instructor considers that the incident warrants greater sanction, he/she must review the incident with the Department Chair/Program Director or Supervising Administrator and may issue a Reprimand or Removal from Class by Instructor (not to exceed two (2) class meetings) and/or indicate the need for immediate administrative review on the Academic Dishonesty Incident Report. A copy of the incident report will be placed in the student's confidential discipline file.

iii. If, following the meeting with the instructor, the student disputes the instructor¹s findings or questions the fairness of the sanction, the instructor, Department Chair/Program Director, or Supervising Administrator or Vice President of Student Services or designee will inform the student of his or her right to file a complaint regarding this decision under the Student Grievances/Complaints procedure.

b. **Administrative Sanction**: Upon receiving the Academic Dishonesty Incident Report, listing students with multiple violations and/or incidents flagged by the instructor as warranting immediate administrative review, the Vice President of Student Services or designee will review the supporting documents, consult with the faculty member or student as needed and determine the Administrative Sanction, if any. The Vice President of Student Services or designee will inform the faculty member, the Department Chair/Program Director or Supervising Administrator and the student of that sanction and inform the student of his/her right to appeal that decision as outlined in the Student Conduct Standards and Due Process Procedures. The Vice President of Student Services or designee is required to apply policies and procedures equally and uniformly. Appropriate Administrative Sanctions are:

- **Reprimand**: A written warning in the form of the completed Academic Dishonesty Incident Report form will be placed in the student's confidential discipline file.
- **Probation**: A written warning in the form of the completed Academic Dishonesty Incident Report form will be placed in student's confidential discipline file indicating that the student may stay enrolled under stated conditions. Violations of these conditions may be cause for more serious disciplinary action.
- **Suspension**: The Vice President of Student Services or designee may recommend to the Superintendent/ President to suspend any student determined to have committed a second or third violation of academic dishonesty. For a second violation, suspension will be for a minimum of one complete term. For a third violation, suspension will be for a minimum of three complete terms. Reinstatement of a student given a suspension of three complete terms for academic dishonesty must be approved by the Board of Review.
- **Expulsion**: If a fourth act of academic dishonesty is committed after these sanctions, expulsion should be considered by the Board of Trustees.

Academic Dishonesty Incident Report Retention

The Vice President of Student Services or designee is responsible for maintaining documentation of violations. The Academic Dishonesty Incident Report and all supporting documents will be active in the student's confidential discipline file for five years after the end of the semester in which the incident occurred. At the end of the five years, the Academic Dishonesty Incident Report will no longer be active if no further acts of academic dishonesty occur.

Policy 3.11 and Procedure 3.11P, Revised July 2012

Attendance Requirements

It shall be the policy of the Sonoma County Junior College District to maintain an attendance policy and procedures consistent with state and local requirements.

1. **Attendance**
   a. Students are expected to attend, and in the case of online classes, participate in, all sessions of the course in which they are enrolled.
   b. A student may be dropped from any class when that student's absences exceed ten percent (10%) of the total hours of class time.
   c. With advanced notice and appropriate documentation, members of the U.S. Military Armed Services and Reservists shall have their absences accommodated due to service obligations provided that satisfactory academic progress is being made prior to suspending their studies. For the purpose of this policy, a student is making satisfactory academic progress so long as, at the start of the absence, the student has the potential to pass the class after completing the remaining assignments.
   d. Specific courses may have stricter requirements based on professional certification mandates or curricular situations in which absences will severely compromise the learning for other students (such as team or performance ensemble courses). These stricter requirements shall be stated in the course syllabus.
2. **Nonattendance**
   a. Students who fail to attend the first class meeting may be dropped by the instructor. For classes that meet online, students who fail to log on and initiate participation by 11:59 p.m. Pacific Time of the first day of the class may be dropped by the instructor. The start date for full semester online classes is the official first day of the semester; for short-term classes, the first day will be specified in the schedule of classes.
   b. Instructors are required to drop all No-Show students immediately following the second class meeting. A No-Show is an enrolled student who has not attended any class meeting of the course. For classes that meet online, a No-Show is an enrolled student who has not logged on and initiated active participation by 11:59 p.m. Pacific Time of the second day of the class.
3. **Excessive absence defined**

a. Instructors shall state in each course syllabus what constitutes excessive absence for that course.
b. Any student with excessive absences may be dropped from the class.

4. **Excused and unexcused absences**
   a. Unless state or federal law, including Executive Orders, requires that the absence be deemed excused, no instructor shall be required to make a distinction between excused and unexcused absences.
   b. If instructors wish to distinguish between excused and unexcused absences they shall state in each course syllabus all criteria for any excused absences in addition to those required by state or federal law.

Policy 8.1.5 and Procedure 8.1.5P , Revised February 2014

Campus Crime Reporting and Campus Security Act (Clery Act)

The Sonoma County Junior College District Board of Trustees understands the need to maintain an environment as safe as possible for students, employees and the public.

In meeting this responsibility, the Board of Trustees has created a District police department with sworn police officers who adhere to the State of California Commission on Peace Officer Standards and Training (P.O.S.T.) requirements.

The District Police Department provides timely notices, issues an annual security report, keeps current public crime logs, and compiles, maintains and reports crime statistics in accordance with applicable state and Federal laws including the Campus Security Act of 1990, known as the "Clery Act."

For more information, please visit: https://police.santarosa.edu/jeanne-clery-report-and-crime-logs

Board Policy 7.13.1, Reviewed January 2012; Board Policy 3540, Revised April 2024

Changes in Requirements

Santa Rosa Junior College reserves the right to change the regulations whenever the authorities deem it necessary, taking precautions that such changes do not pose a hardship or injustice to students already registered.

Copyright Policy

Sonoma County Junior College District will adhere to all applicable state and federal laws regarding copyright compliance. District employees and students must obtain all required licenses, consents, and releases necessary to avoid infringing the rights of third parties. The District supports the responsible, good faith exercise of full fair use rights as codified in the United States Copyright Act by faculty, librarians, staff and students in furtherance of their teaching, research, studies and service activities.

The office responsible for copyright compliance for the Sonoma County Junior College District is the Office of the Dean, Learning Resources and Educational Technology.

Policy 3.18.1, July 2012

Credit for Prior Learning

It shall be the policy of the Sonoma County Junior College District to grant credit for prior learning for eligible courses approved by the discipline faculty and the district for students who satisfactorily pass an authorized assessment. Authorized assessments are created by, and student work is evaluated by, the discipline faculty and may include the evaluation of approved external standardized examinations, Joint Services Transcripts, student-created portfolios, and credit by examination. The Superintendent/President shall consult with the Academic Senate and rely primarily on the recommendations of the Academic Senate to establish procedures to implement this Board Policy.

Please refer to https://classes.santarosa.edu/credit-examination-classes for a list of courses currently available for credit by examination at SRJC.

Note: The Credit by Exam list is subject to change. Contact the office of the Dean of Curriculum and Educational Support Services for the most current information: (707) 524-1554.

Regulations for Credit By Examination

1.0 Types of Credit for Prior Learning

1.1 Students may receive college credit through one or more of the approved alternative methods for awarding credit listed below:

- Achievement of a satisfactory score on an Advanced Placement (AP) examination
- Achievement of a satisfactory score on a high-level International Baccalaureate (IB) examination
- Achievement of a satisfactory score on the College Level Examination Program (CLEP)
- Evaluation of Joint Service Transcripts (JST)
- Achievement of a satisfactory score on an examination administered by other agencies approved by the Department and the District Designee
- Evaluation of industry-recognized credential documentation
- Evaluation of student-created portfolios
- Satisfactory completion of an institutional examination, known as Credit by Examination, administered by the College in lieu of completion of an active course

2.0 Determination of Course Eligibility for Credit for Prior Learning

2.1 Discipline faculty with experience teaching the course, working with their department chair and discipline colleagues, shall determine which courses will be eligible for Credit for Prior Learning and the nature and content of the course assessment. Eligible courses shall be listed on the college website and included in the current college catalog.

2.2 Course eligibility shall be determined by the Department Chair or faculty designee for the following:

- Advanced Placement (AP) examination credit
- Achievement of a satisfactory score on a high-level International Baccalaureate (IB) examination
- Achievement of a satisfactory score on the College Level Examination Program (CLEP) Evaluation of Joint Service Transcripts (JST)

2.3 Course eligibility shall be determined by the Department Chair or faculty designee, with approval from the Curriculum Review Committee (CRC) for the following:

- Achievement of a satisfactory score on an examination administered by other agencies approved by the Department and the District Designee
- Evaluation of industry-recognized credential documentation
- Evaluation of student-created portfolios
- Satisfactory completion of an institutional examination, known as Credit by Examination, administered by the College in lieu of completion of an active course

3.0 Determination of Student Eligibility for Credit for Prior Learning

- The student must be in good standing in the District.
- The student must have previously earned credit or noncredit from the District or be currently registered in the District.
- The student is not currently enrolled in the course for which they are seeking Credit for Prior Learning.
- Credit by Examination: The student is registered in the District and not currently enrolled in nor has received credit for a more advanced course in the same subject.
- Upon completion of the educational plan pursuant to Education Code Section 78212, eligible students who are veterans or active-duty members of the armed forces, hold industry-related credentials, or request credit for a course based on their prior learning shall be referred to the College's appropriate authority for assessment of prior learning.

4.0 Credits, Limitations on Credits, and Grading

4.1 Credit may be awarded for prior experience or prior learning only for individually identified courses with subject matter similar to that of the student's prior learning, and only for a course listed in the College catalog and an eligible course.

4.2 Credits acquired by prior learning are not applicable to meeting unit load requirements such as Selective Service deferment, or Veterans or Social Security benefits.

4.3 Credits acquired by prior learning shall not be counted in determining the 12-semester hours of credit in residence required for an Associate's degree.

4.4 Award of credit may be made to electives for students who do not require additional general education or program credits to meet their goals.

4.5 Prior Learning Assessment Grading Policy

- Grading shall be according to the regular grading system in accordance with Administrative Procedure 3.10P, Grading.
- Students shall be offered the "Pass / No Pass" Grading Option, if that option is ordinarily available for the course.
- Students shall be given the opportunity to accept, decline, or appeal the grade assigned by the faculty member, and, in cases of Credit by Examination, pursuant to Title 5 Sections 55021 and 55025.

5.0 Transcription of Credit for Prior Learning

5.1 The student's academic record shall be clearly annotated to reflect that credit was earned by assessment of prior learning.

6.0 Advanced Placement

6.1 Students requesting Credit for Prior Learning using College Entrance Examination Board Advanced Placement (AP) shall receive credit for completing a satisfactory score on a District approved AP examination under the following circumstances:

- Official AP transcripts must be on file in Admissions and Records.
- The student achieved a score of 3 or higher, as stated on the Advanced Placement Exams Credit Chart, on the AP examination.

7.0 International Baccalaureate

7.1 Students requesting Credit for Prior Learning using International Baccalaureate (IB) shall receive credit for completing a satisfactory score on a District approved high-level IB examination under the following circumstances:

- Official IB transcripts must be on file in Admissions and Records.
- The student achieved a minimum acceptable score on the IB examination as recommended by the District's IB equivalency guide.

8.0 College Level Examination Program

8.1 Students requesting Credit for Prior Learning using the College Level Examination Program shall receive credit for completing a satisfactory score on a District-approved College Level Examination Program (CLEP) under the following circumstances:

- Official CLEP transcripts must be on file in Admissions and Records.
- Credit is applied to the local general education pattern as indicated on the external transcript.

9.0 Credit for Military Service / Training

9.1 Students interested in Credit for Prior Learning using Joint Service Transcripts shall receive credit as recommended by the American Council on Education (ACE) Directory and approved by the appropriate discipline faculty of the College under the following circumstances:

- The student shall complete the Credit for Prior Learning assessment petition available in Admissions and Records.
- Official transcripts must be on file in Admissions and Records. These may include Joint Services Transcript (JST), Sailor / Marine American Council on Education Registry Transcript (SMART), Army and American Council on Education Registry Transcript Service (AARTS), Community College of the Air Force (CCAF), Coast Guard Institute (CGI), DANTES / USAFI, Defense Language Institute Foreign Language Transcripts (DLIFLC), Defense Manpower Data Center (DMDC), DLPT Examinee Results, DA Form 330 Language Proficiency Questionnaire, or verified copies of DD214 or DD 295 military records.
- Credit course equivalency shall be determined by the Department Chair or faculty designee.

10.0 Industry-Recognized Credentials

10.1 Students interested in Credit for Prior Learning using industry-recognized credential(s) shall receive credit as recommended by the appropriate Department Chair or faculty designee.

10.2 The student shall complete the Credit for Prior Learning assessment petition available in Admissions and Records.

10.3 If an industry-recognized credential(s) has not yet been evaluated and approved by the appropriate faculty:

- The student meets with the Department Chair or faculty designee to receive further instructions for industry-recognized credential(s) assessment;
- The student submits all industry-recognized credential documents to the Department Chair or faculty designee for assessment of prior learning; and
- If the Department Chair or faculty designee determines the industry certification adequately measures mastery of the course content as set forth in the Course Outline of Record, the appropriate faculty member shall sign the petition with the recorded grade, attach the industry-recognized credential(s), and forward the completed petition and supporting documents to Admissions and Records, to be kept on file and recorded on the student transcript.
- Admissions and Records will maintain a list of all Department approved industry-recognized credentials.

10.4 Admissions and Records shall grant credit for industry-recognized credential(s) that have already been evaluated and approved by the appropriate Department Chair or faculty designee.

11.0 Student-Created Portfolio Assessment

11.1 Students interested in Credit for Prior Learning using a student-created portfolio shall receive credit as recommended by the appropriate Department Chair or faculty designee under the following circumstances:

- A department-approved portfolio assessment rubric for the course is on file with the department;
- The student shall complete the Credit for Prior Learning assessment petition available in Admissions and Records;
- The student meets with the Department Chair or faculty designee to receive further instructions for student-created portfolio assessment;
- The student submits all portfolio documents to the Department Chair or faculty designee for assessment of prior learning; and
- If the Department Chair or faculty designee determines the student-created portfolio adequately measures mastery of the course content as set forth in the Course Outline of Record, the appropriate faculty shall sign the petition with the appropriate grade and forward it to Admissions and Records, to be kept on file and recorded on the student transcript.

12.0 The District Credit by Examination Process

12.1 A student wishing to take an eligible course through Credit by Examination is encouraged to informally discuss the matter with the Department Chair or faculty designee and instructor prior to initiating the formal process. All steps must be completed in the order listed or the Petition for Credit by Examination shall not be processed. The Petition for Credit by Examination must be completed prior to the end of the current semester or session.

12.2 The Department Chair or faculty designee shall determine whether a student requesting Credit by Examination is sufficiently well prepared to warrant being given this opportunity. The determination is based upon a review of previous coursework and / or experience.

12.3 The District will award college course credit for successful completion of a District examination administered by the appropriate Department Chair or faculty designee. Credit by satisfactory completion of an examination administered by the District is in lieu of completion of a course listed in the Santa Rosa Junior College Catalog.

12.4 In order to permit students to demonstrate that they have met the objectives of a course through experience in the workplace, foreign language proficiency, or some other process outside the conventional academic setting, students may earn credit by receiving a passing grade on an examination administered by the appropriate instructional department / program.

The completion of Credit by Examination may require the demonstration of other skills or the completion of assignments in addition to an examination.

13.0 The District Credit by Examination Procedure

13.1 A Department Chair, after consultation with the faculty in the department, may apply to have a credit course within a given department available for Credit by Examination. Examination may not be limited to a written test. It may include: demonstration of skills competencies, or use of a cumulative assessment tool approved by faculty, who normally teach the course, which is deemed an appropriate mechanism to measure student competency in the course. A written application must be submitted to the co-chairs of the Curriculum Review Committee (CRC) along with a copy of the exam. In the case of the use of a cumulative assessment tool, e.g., criteria for skill demonstration, the co-chairs will recommend approval to the CRC.

13.2 The course outline of record shall indicate that examination or another cumulative assessment tool is an appropriate method of assessment for the particular course.

13.3 The student's academic record shall be clearly annotated to reflect that credit was earned by examination.

13.4 Grading shall be according to the regular grading scale approved by the governing board pursuant to Title 5, section 55023, except that student shall be offered a pass/no pass option if that option is ordinarily available for the course.

13.5 A student who receives credit by exam for a particular course shall not be allowed to subsequently earn credit by exam for any other course that normally precedes that course in a prerequisite sequence.

13.6 Units for which credit is given pursuant to this policy shall not be counted in determining the 12 semester hours of credit in residence required for the Associate's degree. (Title 5, 55050 (g))

13.7 Units earned through credit by exam are not considered for financial aid, scholarships, or veteran services eligibility and payments.

13.8 No more than two attempts to be granted Credit by Examination or cumulative assessment will be allowed including an exam the student registered for and failed to attend. However, if a student registers for an exam and subsequently drops the course before taking the exam, this does not count as an attempt.

13.9 Departments intending to offer opportunities for Credit by Examination or cumulative assessment are responsible for ensuring that examination/assessment dates are well publicized, so that students wanting to take the examinations/assessments receive adequate notice.

13.10 Registration and fees. Students will be registered for a Credit by Examination section of the course created specifically for this purpose. Variable unit courses should specify how many units are being awarded. Students who take the examination or cumulative assessment must pay a fee for service equal to the usual per unit enrollment fees for the course, but exclusive of any fee-based supplies. Fees for credit by exam are non-refundable. (Title 5, 55050 (h))

13.11 The maximum number of units awarded by Credit by Examination or cumulative assessment shall be limited to 15 units per SRJC student record.

13.12 The exam or cumulative assessment can be administered by the department as soon as Curriculum Review Committee approval is secured. The course will then be placed on the list of courses eligible for credit by exam in Academic Affairs. Updated lists shall be published in each printing of the College Catalog.

14.0 The Sonoma County Junior College Board shall review the credit for prior learning policy every three years and report findings to the Chancellor's Office. Findings shall include data disaggregated by gender and race/ethnicity including the number of students who received credit for prior learning, the number of credits awarded per student, retention and persistence rates of students earning credit for prior learning, completion data (for certificate, degree, and transfer) for students earning credit for prior learning, and qualitative assessments by students of the policies and procedures.

Procedure AP 4235 Revised June 2022

Directory Information

Directory information may be made available to newspaper, magazine, radio, or television media and prospective employers for the purpose of reporting a student's participation in officially recognized college and sports activities, or the student's receipt of college degrees and awards. Directory information may include the student name, electronic mail address, and full-time or part-time enrollment status. The names and addresses of students may be provided to public or private schools or colleges for purposes directly related to the academic or professional goals of the institution.

A student who does not wish that any, or all, of the information be made available without prior consent, must indicate such on the admission application or file a Request to Prevent or Allow Disclosure of Directory Information (https://admissions.santarosa.edu/request-prevent-or-allow-disclosure-directory-information) form in the Admissions and Records Office at the time of enrollment or before the beginning of classes, requesting that directory information be withheld.

Policy 8.2.9P, November 2013

District Policies and Procedures

Current District policies and procedures can be found at: https://trustees.santarosa.edu/board-policy-manual

District Regulations

Drug-Free Campus

Santa Rosa Junior College is fully committed to achieving a drug and alcohol free environment for its students and employees. The Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendments of 1989 require that, as a condition of receiving funds or financial assistance under any federal program, SRJC must create and maintain a drug-free environment and implement a program to prevent the unlawful possession, use, or distribution of drugs and the abuse of alcohol by its students and employees.

Policy 6.8.4, reviewed January 2012

Health Risks of Alcohol Use

There are long-term health risks associated with drinking over time, including damage to the heart, liver, and brain, but the vast majority of health risks occur over the course of a single evening. A college-aged student has a much higher risk of an alcohol-related injury caused by a car crash, slipping or falling, getting into a fight, etc. than developing cirrhosis of the liver. At least 50% of sexual assaults among college students involve alcohol consumption by the perpetrator, the victim or both. For students who choose to drink alcohol, actions such as limiting the number of drinks, sticking with the same groups of friends, and having a designated driver can reduce the chance of harm.

Contact Student Health Services at (707) 527-4445 for more information about the health risks of other drugs and harm reduction strategies. Student Health Services provides confidential individual counseling for students who have concerns about their use of alcohol or other substances, and can provide referrals to additional substance abuse community resources.

Regulations

In addition to being a violation of the state and federal laws, the possession and/or use of alcohol or illegal controlled substances on the SRJC campuses, off-campus centers, and college-sponsored activities are forbidden by college regulations. SRJC is concerned with each student's welfare who attends the College.

This information is provided to students to make them aware of both the possible penalties that can result in regulation infractions of college rules, and to inform them that if they have a drug or alcohol-related problem they are encouraged to have a confidential visit with a college counselor or a health services staff member.

Possible Disciplinary Actions

The following forms of discipline may be imposed on a student or employee who is found responsible of violations of college regulations. Such discipline may include reprimand, probation, suspension or expulsion, and/or job termination. For specific information concerning the discipline process, contact the Dean of Students (Santa Rosa) at (707) 527-4573 and Dean of Student Services (Petaluma) at (707) 778-3930 or the college Human Resources Office at (707) 527-4954.

Note: The federal government mandates that Santa Rosa Junior College provide alcohol and controlled substance information and referral information to the staff and students annually.

Smoking

Smoke-Free Environment Policy

The Sonoma County Junior College District is a Smoke-Free Environment.

The District promotes a safe and healthful atmosphere for students, faculty, staff and visitors on its campuses, centers and other off-campus sites by reducing the health risks associated with tobacco smoke and related products. Therefore, the District is a tobacco- and smoke-free environment.

Smoking of any kind, including use of e-cigarettes or electronic cigarettes, and all uses of tobacco are prohibited on all property and in all indoor and outdoor spaces owned, leased, licensed, or otherwise controlled by the District, and in all District-owned vehicles.

The District offers information and referrals intended to assist students and staff who wish to quit smoking. For more information about smoking cessation options, contact Student Health Services at (707) 527-4445, or Risk Management at (707) 527-4822.

Implementation of the District Smoke-Free Environment Policy will be the shared responsibility of every student, faculty member, staff person and visitor; additionally, the Sonoma County Junior College District Police shall enforce all state, county and city ordinances that prohibit smoking on or near District property.

Policy/Procedure 6.8.6/6.8.6P

Lost and Found

General Information

To inquire about most lost items on the Santa Rosa Campus, contact or visit the Student Life, Equity & Engagement Programs Information Desk, located on the first floor of the Bertolini Student Center (400 Burbank Circle). Their hours are 8:00 AM-5:00 PM, Monday-Friday and they can be reached by phone at 527-4424. For a list of items maintained by District Police, see below. For all other locations, District Police (527-1000) will collect lost and found items and will hold property at their office for a minimum of 90 days (prior to turning it over to Student Affairs on the Santa Rosa Campus).

Items maintained by Student Life & Engagement Programs:

- Books, notebooks, and planners
- Sunglasses, prescription eyewear
- Backpacks
- Clothing, wallets and purses
- Keys
- Jewelry
- Identification cards and miscellaneous papers

Items maintained by District Police:

It is the intent of the District Police to maintain items with documented serial numbers and items deemed significant in value. Our District Police dispatch center is open 24 hours a day and can be reached at (707) 527-1000.

- Cell phones
- Computers and equipment
- Radios (mp3 players, ipods, etc)
- Medications
- Bicycles

Items not accepted: Soiled clothing, water bottles, coffee travel mugs or any other item posing a health risk.

Unclaimed Items

Items are maintained for 90 days before disposition. After 90 days unclaimed items are taken to the Student Affairs Office for sale/auction. Data sensitive materials will be destroyed if unclaimed. When claiming an item, a valid California Photo ID or SRJC Student ID is required.

If an item is found on a Santa Rosa Junior College campus you may turn it over to the Student Affairs Office. Student Affairs may then determine if the item(s) warrant a turnover to District Police.

Student Parking: Srjc Parking and Transportation Program: Parking Lot Adjustments Close to Campus

Continued use of nearby lots is anticipated:

1. Mendocino Lot: The existing 240 student parking spaces can be utilized during day and evening hours. There are staff parking spaces along the south curb of the entrance to the Mendocino Lot.
2. “B” Lot (Bailey, Barnett, Baker, Shuhaw, Bussman): B Lot will remain a staff reserved lot from 7:00 am until 7:00 pm. At 7:00 pm, B Lot will be opened up to students on a first-come, first-served basis.
3. All Staff Lots and All Remaining Student Lots: There will be no other adjustments in assignment or use.

Parking and Transportation Alternatives

1. Centralized Bicycle Racks: The College has expanded its 538 bicycle capacity racks to 750 and centralizes their locations in three or four easily accessible areas. The new “inverted U” bike racks are being installed in several phases. Bicyclists are not allowed to ride their bikes on campus pedestrian pathways due to the increasing safety issues related to pathway congestion, construction, etc. Bikes can only be ridden on roadways and in parking lots.
2. Bus Transit: Sonoma County Transit, Santa Rosa City Bus and Petaluma Transit are all free to SRJC students with a validated ID card.

Fees and Fines

The regular semester permit parking fees will remain at current levels: $60 each fall and spring semester and $4 per daily use.

Public Transit Access

The College encourages students, staff, and faculty to access the College via public transit.

Parking Machines

Daily permits from the parking machines are available to anyone. Visitors to both campuses should purchase a daily permit and place it on the vehicle dashboard.

Parking for Persons With Disabilities

Persons who have a valid DMV disabled placard or plates and a valid SRJC parking permit, may park in any of the disabled parking spaces on district property. These spaces are designated by the white and blue international symbol of access.

Towing Policy

As established by the Board of Trustees in accordance with C.V.C. 21113a, tow-aways will be in effect when a vehicle is parked in front of a fire hydrant or where the passage of emergency vehicles is hindered and where entrances or exits are blocked. Vehicles may also be subject to tow-away when in violation of any traffic or parking regulation of any Santa Rosa Junior College campuses.

Additional Services

If your vehicle is parked on campus and will not start, the District Police, when possible, will provide jumper cables and the use of the police vehicle to assist you.

Bicycles

No permit is required. Bicycles must be parked in racks located at various locations on campus. Any bicycle chained to a ramp, pole, tree, etc., will be impounded in the District Police Department in the Pedroncelli Center. No bicycles are allowed in hallways of buildings by order of the Fire Department.

Policy 7.12,revised June 2014

Animal Control & Service Animals

No animals, including animals leashed, shall be brought onto District property. This restriction includes animals confined in any vehicle parked within the College boundaries. The following are exceptions:

1. Service animals.
2. Emotional support animals as an authorized accommodation only
3. Animals used in the instructional program.
4. Animals boarded/used at the Shone Farm.

Owners of animals found on campus in violation of this regulation may be cited and/or have their animals impounded by authorized College officials.

Policies 7.17 and 7.19, Revised January 2013

Service Animals

It is the policy of the Sonoma County Junior College District to permit students, faculty, staff and community visitors with disabilities to be accompanied by service animals in District facilities and on District campuses. The purpose of this policy is to ensure that individuals with disabilities can participate in and benefit from District services, programs and activities, and to ensure that the District does not discriminate on the basis of disability.

A disability is defined as a physical or mental impairment that substantially limits one or more major life activities of an individual; a record of having such an impairment, or being regarded as having such an impairment.

Service animals are defined as dogs, or in limited specific circumstances, miniature horses, that are individually trained to do work or perform tasks for people with disabilities. The work or task must be directly related to the person's disability.

Use of a service animal in public areas of campus facilities and property is allowed. When it is not obvious what service an animal provides, college officials may ask only two questions:

1. is the dog a service animal required because of a disability, and
2. what work or task has the dog been trained to perform.

Enrolled students wishing to be accompanied to class by a service animal on a regular basis as an accommodation are encouraged to request authorization from the Disability Resources Department. Qualified students will be provided with an official Disability Resources Department Authorization for Academic Accommodation letter to present to their instructors indicating the authorized use of a service animal in class.

Enrolled students working as a service dog trainer must obtain an authorization letter from the Dean, Student Conduct, Disabled Students Programs & Services, or designee, in order to bring the dog to class. All service animal procedures must be abided by for dogs-in-training. Dogs-in-training must wear an identifying vest.

It is unlawful for any person to knowingly and fraudulently represent himself or herself to be the owner or trainer of a service animal.

Policy 7.17/Procedure7.17P, Revised March, 2015

Telephone Messages

The College is not prepared to deliver telephone messages except in an emergency, such as sudden illness or accident. Please contact District Police at (707) 527-1000.

Educational Leaves & Students in the Military

Student Educational Leaves

Students in good standing who have completed at least one semester of attendance at Santa Rosa Junior College are eligible for one educational leave of up to one year in length. Students on approved leaves maintain a continuing status including catalog rights. Students must reapply after being out for two or more semesters.

Educational leaves must be approved in advance by the Office of Admissions, Records and Enrollment Development.

Residence Determinations for Military Personnel and Dependents

A student who is a member of the armed forces of the United States stationed in California, except a member of the armed forces assigned for educational purposes to a state-supported institution of higher education, is entitled to resident classification. Such student shall retain resident classification in the event that the member of the armed forces is thereafter transferred on military orders to a place outside of California or thereafter retires from active duty, so long as the student remains continuously enrolled in the District.

An undergraduate student who is a natural or adopted child, stepchild, or spouse who is a dependent of a member of the armed forces of the United States stationed in this state on active duty and attends, or has been admitted to, the District shall be entitled to resident classification. Such student shall retain resident classification if they are thereafter transferred on military orders to a place outside of California, so long as the student remains continuously enrolled in the District.

A veteran who was discharged or released from at least 90 days of active service, commencing on or after July 1, 2015, and their dependents, regardless of the veteran's state of residence is entitled to resident classification.

An individual who is the child or spouse of a person who, on or after September 11, 2001, died in the line of duty while serving on active duty as a member of the Armed Forces who resides in California is entitled to resident classification.

An individual who is entitled to transferred Post-9/11 GI Bill program benefits by virtue of their relationship to a member of the uniformed

services who is serving on active duty is entitled to resident classification.

A parent who is a federal civil service employee and their natural or adopted dependent children are entitled to resident classification if the parent has moved to this state as a result of a military mission realignment action that involves the relocation of at least 100 employees. This classification shall continue until the student is entitled to be classified as a resident, so long as the student continuously attends an institution of public higher education.

A student claiming the residence classifications provided for in this procedure must provide a statement from the student's commanding officer or personnel officer providing evidence of the date of the assignment to California, and that the assignment to active duty in California is not for educational purposes. A student claiming the residence classifications provided for here for the dependent of military personnel shall provide a statement from the military person's commanding officer or personnel officer that the military person's duty station is in California on active duty as of the residence determination date, or has been transferred outside of California on active duty after the residence determination date, or that the military person has retired from active duty after the residence determination date. (Title 5 Sections 54041 and 54042)

Withdrawal Processes for Members of the Military

A student who is a member of an active or reserve United States military service and who receives orders compelling a withdrawal from courses shall be permitted to withdraw upon verification of such orders. A withdrawal symbol may be assigned which will be a "MW." Military withdrawal shall not be counted in progress probation, dismissal calculations, or in calculating the permitted number of withdrawals. In no case may a military withdrawal result in a student being assigned an "F" or a "W" grade. In no case may a college require a student who is required to report for military duty to withdraw from a course by a specified date in order to receive a full refund of the tuition and fees the student paid to the college for the academic term in which the student was required to report for military service.

Active and Reserve members of the U.S. Military Armed Services Enrollment and Attendance

With advance notice and appropriate documentation, the District will allow Active and Reserve service members to be readmitted to a program if they are temporarily unable to attend class or have to suspend their studies due to service requirements, and take additional steps to accommodate short absences due to service obligations, provided that satisfactory academic progress is being made by the service members and reservists prior to suspending their studies.

AP 5013, March 2026

Faculty Members' Obligation to Student

The key element of any educational program is the classroom experience and the manner in which both parties, student and faculty member, cooperate and work with one another. Faculty members must also serve students with essential services in allied areas, such as the library, counseling, or disability resources. The faculty members' obligation to students includes the recognition that students deserve consistent, courteous, and professional treatment at all times. While classroom and allied faculty situations vary, and some faculty must perform both roles; faculty members must follow certain basic guidelines that will enable students to function at their best. The same principles hold true for faculty members with non-teaching assignments, including counselors, librarians, and disability specialists. The following specific obligations are excerpted from the faculty job description in Article 7 of the AFA contract, and are hereby incorporated into district policy. (The students' responsibilities are outlined in Students Rights and Responsibilities, and are further defined in each instructor's syllabus).

Teaching Faculty Members

- Start and end class at the scheduled time, and hold final exams during the scheduled time, except as requested by individual students under extraordinary circumstances.
- Issue a syllabus for each class, including at least the following: course description and organization, following the approved course outline; reading and lecture schedule; assignment structure; and written grading policy.
- Instruct or supervise students during all scheduled lectures, laboratory, clinical, performance, and coaching sessions of their assignment unless ill, unavoidably detained, or engaged in approved departmental or college business of a priority nature. Start and end classes on time.
- Prepare materials for instructional use, including handouts, presentations, exams, quizzes, and classroom and homework assignments. Update materials in response to major advances in the field of study.
- Confer with students on academic matters and advise students in matters related to the discipline and to career goals as appropriate.
- Solicit and evaluate students' feedback about their experience in the class.
- Refer students to counselors and other college resources as appropriate.
- Assist in providing authorized accommodations for students with disabilities.
- Maintain office sessions as posted; meet with students during established office sessions and by appointment when arranged by specific student requests.
- Assess student work and provide evaluation of that work to students in a timely manner, particularly following midterms and prior to final dates for dropping or withdrawing.
- Provide alternative assignments or activities to field trips and other group activities that are not identified by date and time in the published Schedule of Classes. (Exceptions: team and performance courses, such as those in P.E., Theatre Arts, Music, and Communication Studies.)
- Determine all grades according to published grading policy.
- Post examination grades to enable each student to identify only his/her own scores.
- Complete midterm reports and final grades to meet established college deadlines, and maintain attendance and grading records as required by the Education Code.

Non-teaching Faculty Members

The following obligations are applicable when they correspond to allied faculty job descriptions.

- Confer with students and advise students in matters related to their education and careers.
- Select or develop handouts, presentations, and other materials for student use.
- Prepare written materials and instruction to support student use of services.
- Meet with students at established times, or by appointment, as a part of their regular duties.
- Confer with students on academic matters, career opportunities, and other appropriate matters.
- Provide liaison with other programs.
- Develop services and collections related to curriculum, e.g., library collections.
- Provide instruction related to the faculty member's assignment.
- Refer students to counselors and other college resources as appropriate.
- Solicit and evaluate student feedback.

Title 5, Section 55002; BP 4020, May 2022

Family Educational Rights and Privacy Act of 1974 (FERPA)

Annual Notification to Students

The Family Educational Rights and Privacy Act (FERPA) a#ords students certain rights with respect to their education records. These rights are:

1. The right to inspect and review students' education records within 45 days of the day Santa Rosa Junior College (SRJC) receives a request for access. Students should submit to the supervisor (or appropriate official) written requests that identify the record(s) they wish to inspect. SRJC's official will make arrangements for access and notify students of the time and place where their records may be inspected. If the records are not maintained by the college official to whom the request was submitted, that official shall advise students of the correct official to whom the request should be addressed.
2. The right to request the amendment of students' education records that students believe is inaccurate or misleading. Students may ask SRJC to amend a record that they believe is inaccurate or misleading. They should write the SRJC official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If SRJC decides not to amend the record as requested by students, SRJC will notify students of the decision and advise students of their right to a hearing regarding the request for amendment. Additional information about the hearing procedures will be provided to students when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in students' education records, except to the extent that FERPA disclosure without consent. One exception, that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is defined as a person employed by SRJC in an administrative, supervisory, academic, or support staff position (including law enforcement unit and health staff); a person or company with whom SRJC has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, SRJC discloses education records without consent to officials of another school in which students seek or intend to enroll.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by SRJC to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, SW

Washington, D.C. 20202-5920

Directory information may include, but is not limited to: student's name, e-mail address, class schedule, and total units enrolled.

Policy 8.2.9, November 2013

Gender Equity

Santa Rosa Junior College is committed to a college culture that supports the access and success of all students, inclusive of the full spectrum of gender identity and expression, and works to eliminate any bias or stereotyping on this basis. Please see the section on Title IX (p. 62) for further information.

Grade Changes

After a grade has been issued, only the instructor has the authority to change the grade.

The determination of the student's grade by the instructor is final in the absence of mistake, fraud, bad faith, or incompetence. "Mistake" may include, but is not limited to, errors made by an instructor in calculating a student's grade and clerical errors. "Fraud" may include, but is not limited to, inaccurate recording or change of a grade by any person who gains access to grade records without authorization.

The instructor must complete and submit an Instructor Change of Grade form to the Admissions, Records and Enrollment Development Office for grade correction on the student's academic record.

Students filing a complaint based on a grade appeal must follow the process as outlined in Student Complaint and Grievance Procedure.

Student requests for grade changes must be initiated no later than two years from the date the grade was posted.

Policy 3.10 and Procedure 3.10P, Revised August 2019

Grade Point Average (GPA)

GPA is computed by dividing the total units attempted (including units for courses repeated) into the total grade points. "P", "NP", "CR," "NC," "I," and "W" are not included in the total course units attempted. For example, a student who earns a grade of "A" in six units, "B" in three units, "C" in three units, "D" in three units, and "F" in two and one-half units would have a GPA of 2.40.

The computation is shown here:

Units	Grade	Grade Points
6.0 Units	A x 4 =	24.0 grade points
3.0 Units	B x 3 =	9.0 grade points
3.0 Units	C x 2 =	6.0 grade points
3.0 Units	D x 1 =	3.0 grade points
2.5 Units	F x 0 =	0.0 grade points
17.5 Units	NA	= 42.0 grade points
N/A	42 grade points/17.5	=2.40 GPA

The GPA for the overall number of units attempted and overall number of grade points can be similarly computed and is known as the Cumulative GPA. Units on file from other institutions are used in calculating the overall GPA.

In calculating students' degree applicable grade point averages, grades earned in non-degree applicable courses shall not be included.

Policy 3.10 and Procedure 3.10P, Revised August 2019

Grade Reports

Instructors provide midterm progress indicators for full semester courses by the end of the eleventh week of each semester (S=satisfactory progress; U=unsatisfactory progress). Students may obtain their midterm and/or final grades from their instructors. Final grade reports are posted in the Bear Cub Hub for students view after end of semester processing.

Grading Policy

1. Grades from a grading scale shall be averaged on the basis of the point equivalencies to determine a student's grade point average (GPA) using only the following evaluative symbols:
Credit Courses:

Symbol	Definition	Grade Point
A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Less than satisfactory	1
F	Failing	0
P (formerly CR)[1]	Pass (formerly Credit) -- C or better. Units awarded not counted in GPA.	0
NP (formerly NC)[1]	No Pass (formerly No Credit) -- Less than satisfactory or failing. (D or F) Units not counted in GPA.	0

[1] P/NP replaced CR/NC in fall 2009 Non-Credit Courses

Credit and Non-credit Courses:

Symbol	Definition	Grade Point
P	Pass	0
NP	No Pass -- Less than satisfactory or failing	0
SP	Satisfactory Progress toward completion of course	0

   a. For credit courses, the P/NP (Pass/No Pass) grade option is limited to one course or 3 units per semester and subject to a maximum of 12 units for all semesters attended for those students with the following education goals:
      i. Earn BA/BS after earning AA/AS
      ii. Earn BA/BS without earning AA/AS
      iii. Earn AA/AS without Transferring
      iv. Earn a Vocational Degree
      v. Earn a Vocational Certificate
      vi. Improve basic skills
      vii. Undecided Goal
      Courses in which only the P/NP grade option is available are exempt from the above restrictions.
   b. There is no P/NP unit restriction for those students with the following education goals:
      i. Personal interest
      ii. Formulate career plans/goals
      iii. Start a New Career
      iv. Advance in Current Career
      v. Maintain certificate or license
      vi. Complete HS credits or GED
      Students must declare their education goal at the time of application and registration. It will be noted in the college catalog that most transfer institutions limit the number of CR/NC or P/NP grades that they will accept.
2. The Board of Trustees has authorized the use of the following non-evaluative symbols:

Symbol	Definition
I	Incomplete: If a student is unable to complete academic work for unforeseeable, emergency or justifiable reasons by the end of the term, he/she may petition to have an "I" symbol recorded on their academic record. The condition(s) for the removal of the "I" must be stated by the instructor in a written record given to the student and submitted to the Admissions, Records and Enrollment Development Office for approval. The incomplete must be made up within one year of assignment. Students may petition for a time extension due to extenuating circumstances. A final grade shall be assigned when the conditions stipulated have been met and evaluated, or when the time limit has passed. The "I" symbol shall not be used in calculating units attempted nor for grade points.
IP	In progress: The "IP" symbol shall be used only in those courses which extend beyond the normal end of an academic term. The assignment of an evaluative symbol (grade) must await completion of the work "in progress." The "IP" symbol shall remain on the student's permanent record in order to satisfy enrollment documentation. The appropriate evaluative symbol (grade) and unit credit shall appear on the student's permanent record for the term in which the course is completed. If a student enrolled in an "open-entry, open-exit" course is assigned an "IP" at the end of an attendance period and does not re-enroll in that course during the subsequent attendance period, the appropriate faculty will assign an evaluative symbol (grade) to be recorded on the student's permanent record of the course. The "IP" shall not be used in calculating grade point averages.
RD	Report Delayed: The "RD" symbol may be assigned by the Admissions, Records and Enrollment Development Office, and only when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible. "RD" shall not be used in calculating grade point averages.

W	Withdrawal: No notation (“W” or other) shall be made on the academic record of the student who withdraws before the first census date of the course. For full-semester courses, this is the last day of the third week of instruction or 20% of the course for short-term courses (including summer courses). A “W” symbol shall be recorded on the academic record of the student who withdraws from a semester-length course after the end of the third week of instruction through the last day of the thirteenth week of instruction or 60% of the course for short-term courses (including summer courses). The academic record of a student who remains in a class beyond the withdrawal (W) deadline must reflect a symbol other than a “W.” The appropriate faculty shall be notified of all withdrawals. The “W” shall not be used in calculating grade point averages, but excessive “W”’s shall be used as factors in probation and dismissal procedures.
EW	“Excused withdrawal” occurs when a student is permitted to withdraw from a course(s) due to extenuating circumstances beyond the control of the student which affected his or her ability to complete a course(s). The student must submit a petition to the Admissions, Records and Enrollment Development Office to request an excused withdrawal and must include documentation of the extenuating circumstance. Upon approval, an excused withdrawal symbol of “EW” will be recorded on the student’s academic record. Extenuating circumstances may include but are not limited to the following: • verifiable accidents; • chronic or acute illness of student or immediate family member; • death of an immediate family member; • job transfer outside the geographical region; • the student is the subject of an immigration action; • an incarcerated student in a California state prison or county jail is released from custody or involuntarily transferred before the end of the term; • natural disasters directly affecting the student; • other verifiable circumstances making course completion impracticable. In the case of an incarcerated student, an excused withdrawal cannot be applied if the failure to complete the course(s) was the result of a student’s behavioral violation or if the student requested and was granted a mid-semester transfer. Excused withdrawals shall not be counted in progress probation and dismissal calculations, toward the permitted number of withdrawals or counted as an enrollment attempt for course repetition.

MW	"Military withdrawal" occurs when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. A student must submit a petition to the Admissions, Records and Enrollment Development Office, and upon verification of such orders, a withdrawal symbol of "MW" will be recorded on the student's academic record. Military withdrawals shall not be counted in progress probation and dismissal calculations, toward the permitted number of withdrawals, or counted as an enrollment attempt for course repetition.

3. Degree applicable Grade Point Averages
   In calculating students' degree applicable grade point averages, grades earned in non-degree applicable courses shall not be included.
4. Posting Grades
   The deadline to submit final grade and positive attendance rosters is the day prior to end-of-semester processing, as determined by the Academic Calendar Committee. The final grade submission deadline is a minimum of seven (7) calendar days from the last day of final exam week. However, for student success, the recommended best practice is to submit grades as soon as possible.
5. Changing Grades
   a. The instructor of the course shall determine the grade to be awarded to each student.
   b. The determination of the student's grade by the instructor is final in the absence of mistake, fraud, bad faith, or incompetence. "Mistake" may include, but is not limited to, errors made by an instructor in calculating a student's grade and clerical errors. "Fraud" may include, but is not limited to, inaccurate recording or change of a grade by any person who gains access to grade records without authorization.
   c. The instructor must complete and submit an Instructor Change of Grade form to the Admissions, Records and Enrollment Development Office for grade correction on the student's academic record.
   d. Students filing a complaint based on a grade appeal must follow the process as outlined in Student Complaint and Grievance Procedure.
6. Security of Grade Records
   a. The District shall implement security measures for student records that assure no person may obtain access to student grade records without proper authorization. These measures shall be installed as part of any computerized grade data storage system.
   b. The measures implemented by the District shall include, but not necessarily be limited to, password protection for all student grade databases, locking mechanisms for computer stations from which student grade databases can be viewed, and strict limits on the number of persons who are authorized to change student grades.
   c. Persons authorized to change grades shall be designated by the Dean of Admissions, Records & Enrollment Development. No more than five District employees may be authorized to change student grades. Only student grades. Only regular full-time employees of the District may be authorized to change grades. Student workers shall not have access to grade records, and student workers may not change grades at any time.
   d. Any person who discovers that grades have been changed by someone other than the persons authorized to do so shall notify the Dean of Admissions, Records & Enrollment Development immediately. The Dean shall immediately take steps to lock the grade storage system entirely while an investigation is conducted.
   e. If any student's grade record is found to have been changed without proper authorization, the District will notify 1) the student; 2) the instructor who originally awarded the grade; 3) any educational institution to which the student has transferred; 4) the accreditation agency; and 5) appropriate local law enforcement authorities.
   f. Whenever a grade is changed for any reason, corrected transcripts will be sent to any educational institution to which a student has transferred.
   g. Any student or employee who is found to have gained access to grade recording systems without proper authorization, or who is found to have changed any grade without proper authority to do so, shall be subject to discipline in accordance with District policies and procedures.
   h. Any person who is found to have gained access to grade recording systems without proper authorization, or who is found to have changed any grade without proper authority to do so, shall be reported to the appropriate law enforcement agency having jurisdiction over the college where the incident occurred.

Policy 3.10P, Revised: August 13, 2019

Multiple and Overlapping Enrollments

A student may not enroll in two or more courses where the meeting times for the courses overlap, unless:

- The student provides a valid justification, other than scheduling convenience, of the need for an overlapping schedule.
- The Chief Instruction Officer or designee approves the schedule.
- The student makes up the overlapping hours at some other time during the same week under the supervision of the instructor of the course.

A student may not enroll in two or more sections of the same credit course during the same term unless the length of the course provides that the student is not enrolled in more than one section at any given time.

AP 4226, February 2026

Probation, Dismissal, Readmission, and Renewal

Standards for Probation 1 and Probation 2

1. **Academic Probation**
   A student who has attempted at least 12-semester units as shown by the official academic record shall be placed on Academic Probation 1 if the student has earned a cumulative GPA at or below 1.99 in all units which were graded (CR/NC and P/NP grades are not counted).
2. **Progress Probation**
   A student who has enrolled in a total of at least 12-semester units as shown by the official academic record shall be placed on Progress Probation 1 when the percentage of all units in which a student has enrolled and for which entries of "W", "I", "NC" and “NP” are recorded reaches or exceeds fifty percent (50%).
3. **Students placed on Probation 1 and unable to improve their status after one semester will be moved to Probation 2.**

Removal from Probation

A student on Academic Probation shall be removed from probation when the student's cumulative GPA is 2.00 or higher. A student on Progress Probation shall be removed from probation when the percentage of units for which entries of "W" "I", "NC" and “NP” are recorded drops below fifty percent (50%) of all units in which a student has enrolled.

Standards for Dismissal

1. A student on Academic Probation 2 shall be subject to dismissal if the student earns a cumulative GPA of 1.99 or below in all units attempted.
2. A student placed on Progress Probation 2 shall be subject to dismissal if the percentage of units in which the student has been enrolled for which entries of "W," "I", “NP” and "NC" are recorded exceeds fifty percent (50%).

Qualification for Readmission following Academic/Progress Dismissal

A dismissed student may be readmitted and returned to Probation 2 status after fulfilling one of the following conditions:

1. Completion of the following:
   a. The appropriate workshop identified by the Counseling Department; and
   b. Meet with a counselor to develop a Student Readmission Education Plan, after completion of workshop by the stated deadline.
   or
2. An absence of one or more semesters

Satisfactory Progress after Dismissal

Following dismissal and readmission, students who maintain satisfactory academic progress by earning a semester GPA of 2.0 or greater each semester shall remain on Academic Probation 2 until achieving a cumulative GPA of 2.0 or better.

Following dismissal and readmission, students who maintain satisfactory progress by completing more than 50% of their units each semester shall remain on Progress Probation 2 until the overall cumulative level of completion reaches 51% or above.

Process

At the end of each semester, the Counseling Department will request from the Information Technology Department a list of students who have automatically qualified for Probation 1, Probation 2, or Dismissal status. The Counseling Department will notify these students, along with outlining the rationale behind their status and advising them on their next steps. The students listed must meet with a counselor if they want to enroll in more than 8.5 units the following semester.

Academic Renewal

Students may file with the Office of Admissions, Records & Enrollment Development an Academic Renewal Form in order to have substandard Santa Rosa Junior College grades of “D” or “F” excluded from grade point average calculations. The maximum amount that may be adjusted is a total of 24 units.

Upon approval, the student’s permanent academic record will be adjusted to indicate that the original grades will not be reflected in the grade point average. The courses will remain on the permanent record to provide a true and complete academic history.

Academic Renewal will be determined by one of the following criteria:

1. Completion of 24 units at C (2.0 grade point average) level or above in all course work completed at any accredited institution after the semester(s) of substandard work.
2. The passage of 2 (two) years since the substandard work was recorded.
3. Demonstration that previously recorded work is not reflective of present ability. Such evidence might include, but is not limited to, documented proof of experience, awards, degrees, and honors or extenuating circumstances that contributed to the substandard grades.

Progress Renewal

Students may file with the Office of Admissions, Records & Enrollment Development a Progress Renewal Form in order to have previously recorded “W”, “I”, “NP” and “NC” marks completed at Santa Rosa Junior College excluded from the calculation of Progress Probation and Dismissal. The maximum amount that may be adjusted is a total of 24 units.

Upon approval, the student’s permanent academic record will be adjusted to indicate that the “W,” “I”, “NP” or “NC” will not be used to calculate progress. The courses will remain on the permanent record to provide a true and complete academic history.

Approval will be granted upon fulfillment of one of the following requirements:

1. The student:
   a. Receives no “W”, “I”, “NP” and “NC” in two consecutive semesters following the receipt of “W”, “I”, “NP” and “NC”;
   b. Completes a minimum of 4 semester units; and
   c. Earns a cumulative GPA of 2.0 or better.
   or

2. The passage of 2 (two) years since the "No Credits", “No Passes” and/or "Withdrawals" were recorded.

Policy 8.2.6 /Procedure 8.2.6P, Revised July 2017

Repetition of Courses

It shall be the policy of the Sonoma County Junior College District to develop and implement regulations and procedures governing the repetition of credit courses.

For purposes of course repetition, the following terms shall have the meanings specified below:

1. “Evaluative symbols” are grades of A, B, C, D, F, CR, NC, P, NP.
2. A “non-evaluative symbol” is a W (withdrawal).
3. “Course enrollment” occurs when a student receives an evaluative or non-evaluative symbol.
4. “Course repetition” occurs when a student who has previously received either an evaluative symbol or a non-evaluative symbol in a particular course re-enrolls in that course and receives another evaluative or non-evaluative symbol.
5. “Substandard academic work” means course work for which the grading symbols of “D,” “F,” “NP” or “NC” have been recorded.

The procedures for repetition of courses are applicable in any of the following cases:

Repeatable Courses

Repeatable courses shall be identified and listed in the catalog with specific repeat codes as approved by the Curriculum Committee.

The following types of courses shall be deemed repeatable:

1. Courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor’s degree. The District shall retain supporting documentation that verifies that the repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor’s degree. The supporting documentation must be retained by the District as a Class 3 record;
2. Intercollegiate athletics courses in which a student athlete is enrolled to participate in an organized competitive sport sponsored by the District, or a conditioning course which supports the organized competitive sport; and
3. Intercollegiate academic or vocational competition courses designed specifically for participation in non-athletic competitive events between students from different colleges and sanctioned by a formal collegiate or industry governing body. The participation in the event must be directly related to the course content and objectives. Enrollment in these courses is limited to no more than four times, even if the student receives a substandard grade or “W” during one or more of the enrollments.

When a course is repeated pursuant to these procedures, the grade received each time shall be included in calculating the student’s grade point average.

Non-repeatable Courses

Course enrollments in non-repeatable courses shall be limited to three enrollments total in the same course inclusive of all evaluative and non-evaluative symbols received. Students can only repeat courses designated as “non-repeatable” if they meet one of the criteria listed below. However, students may receive a symbol and/or earn a substandard grade of D, F, NP, NC no more than three times in the same course. The three enrollment limitation in non-repeatable courses is inclusive of any combination of W, D, F, NP, or NC.

Course Repetition to Alleviate Substandard Academic Work

1. Students may repeat a course designated as a non-repeatable course in an effort to alleviate substandard academic work. All courses taken at Sonoma County Junior College District for which substandard academic performance is recorded (D, F, NC, NP), may be repeated twice (three enrollments total).
2. Students who have received a substandard grade in a repeatable course may not retake the course beyond the maximum repetitions permitted for such course.
3. When a student has repeated courses to alleviate substandard academic work, the first two substandard grades may be excluded in computing the student’s grade point average (GPA). However, the permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history.
4. In determining transfer of a student’s credits, Sonoma County Junior College District shall honor similar, prior course repetition actions by other accredited colleges and universities.

Course Repetition Due to Significant Lapse of Time

Students may petition the Admissions, Records and Enrollment Development Office to repeat a course one time due to a significant lapse of time (at least three years) since a satisfactory passing grade was received in order to satisfy a District recency requirement or the recency requirement of another institution of higher education to which the student seeks to transfer.

Upon completion of the repeated course, the previous grade and units shall be disregarded in computing the student’s GPA. All coursework on the student’s permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history.

Course Repetition Due to Extenuating Circumstances

Students may petition the Admissions, Records and Enrollment Development Office to repeat a course whether the grade was substandard, passing or a withdrawal. ‘Extenuating circumstances’ are defined as verified cases of accidents, illness, or other circumstances beyond the control of the student. Upon completion of the repeated course, the previous grade and units awarded shall be disregarded in computing the student’s GPA. All coursework on the student’s permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history.

Students With Disabilities

The District shall permit a student with a disability to repeat a special class for students with disabilities any number of times based on an individualized determination by the Disability Resources Department that

such repetition is required as a disability-related accommodation for that particular student for one of the reasons specified below:

1. When continuing success of the student in other general and/or special classes is dependent on additional repetitions of a specific special class; or
2. When additional repetitions of a specific special class are essential to completing a student's preparation for enrollment into other classes; or
3. When the student has a student educational contract which involves a goal other than completion of the special class in question and repetition of the course will further achievement of the goal.

Students must submit a petition to the Admissions, Records and Enrollment Services Office for approval. All grades and units received shall be counted in calculating the student grade point average.

Work Experience

Students may earn up to a total of 16-semester units combined in all types of Cooperative Work Experience Education subject to the following limitations:

1. A maximum of six-semester units may be earned during each semester or summer term in general work experience education.
2. A maximum of eight-semester units may be earned during each semester or summer term in occupational work experience education.
3. All grades and units received each time shall be counted in calculating the student grade point average.

For information on Academic Renewal without Course Repetition, see Academic Renewal

Course Repetition as a Result of Legal Mandates

Students may repeat a course determined to be legally mandated by statute or regulation as a condition of paid or volunteer employment regardless of whether substandard academic work has been recorded. Such courses may be repeated for credit any number of times, provided the student submits documentation of the required legal mandates.

Course Repetition as a Result of a Significant Change in Industry or Licensure Standards

Students may petition the Admissions, Records and Enrollment Development Office to repeat a course as a result of a significant change in industry or licensure standards such that repetition of the course is necessary for employment or licensure. Such courses can be repeated for credit any number of times provided the student submits documentation of the significant change in industry or licensure standards necessitating course repetition.

Active Participatory Courses and Similar Activity Groups

Active participatory courses are those courses where individual study or group assignments are the basic means by which learning objectives are obtained. When two or more such courses have similar primary educational activities, they shall be identified and grouped into similar activity groups by the Curriculum Committee. Student enrollment in active participatory courses is limited to four enrollments within each identified similar activity group. This limitation applies even if a student receives a substandard grade or "W" during one or more of the enrollments.

Policy 8.1.16. and Procedure 8.1.16P, Revised May 2013

Student Complaint/Grievance

A student complaint may arise out of a decision or action reached or taken in the course of official duty by a member of the faculty, staff, or administration of the Sonoma County Junior College District (SCJCD). "Student" means a person who has been admitted to enroll at SCJCD (including non-credit courses) or is currently enrolled. The complaint may take one of three forms, described below: direct resolution, informal complaint or formal grievance. These complaint/grievance procedures are not intended to initiate disciplinary action against any member of the faculty, staff, or administration, or to alter college policy. However, documentation collected during the process may be used as evidence in future legal action. Under no circumstances will the filing of an informal complaint or formal grievance result in retaliation by the party being grieved against or his/her department.

A complaint/grievance will only be permitted within thirty (30) instructional days into the semester that immediately follows the semester in which the alleged incident occurred. Summer Session is not included when making this determination, unless all parties agree. However, if the incident occurs during the Summer Session, the student will have thirty (30) instructional days into the semester following the Summer Session to file a complaint/grievance.

For cases involving harassment or discrimination, the complaint must be filed within one (1) year of the date of the alleged unlawful discrimination or within one (1) year of the date on which the complainant knew or should have known of the facts underlying the allegation of unlawful discrimination.

All necessary forms for these procedures can be found on the college website at https://rightsresponsibilities.santarosa.edu/rights-responsibilities and at the office of Student Life, Equity & Engagement on either the Santa Rosa or Petaluma Campus.

Responsibilities

Student/Grievant

- Review the policies and procedures relevant to the subject of the complaint/grievance.
- Understand what types of actions can be grieved.
- Understand the five types of grievances, and follow the correct process for each type of complaint.
- Maintain copies of all relevant materials and dated notes from all discussions.
- Consult with the Ombudsperson in order to receive correct information and support while going through a complaint or grievance process.

Instructor

- Create syllabi that follow the Course Outline of Record.
- Follow the syllabus, applying its rules to all students in the same manner. Avoid all changes that might be considered capricious.

- Become acquainted with issues of sexual harassment and discrimination in order to avoid any behaviors that might be interpreted as grievable.
- Keep dated records concerning any student complaint, including details of all meetings with the student.

Department Chair, Program Director, or Supervising Administrator

- Understand the policies and procedures of the College.
- Complete trainings at regular intervals in issues of sexual harassment and discrimination.
- Ensure that the student/grievant completes all forms required of these procedures, as necessary.
- Keep dated notes of all discussions relevant to the informal complaint or grievance.
- If requested, act as or name a facilitator acceptable for both parties.
- Verify/document that the complaint timeline was followed
- Forward information to the Supervising Administrator or Vice President with the proposed resolution.
- Inform the student of the determined resolution.
- Inform students of their right to appeal any prior decision.

Types of Complaints and Grievances

The process for filing and resolving informal complaints and formal grievances may differ depending on the area of concern.

Type I: Grade Appeals

Students may file an informal complaint or grievance to appeal a grade, recognizing that no instructor may be directed to change a grade except in narrow circumstances authorized by Education Code. "When grades are given for any course of instruction taught in a community college, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final."

Type II: Sexual Harassment or Unlawful Discrimination

Santa Rosa Junior College will not tolerate unlawful discrimination or sexual harassment based on race, religious creed, color, national origin, ancestry, ethnic group identification, physical disability, mental disability, medical condition, genetic condition, marital status, sex, gender, gender identity, gender expression, genetic information or sexual orientation in any of its policies, procedures or practices. All complaints involving unlawful discrimination or sexual harassment should be directed to the Vice President of Human Resources (or designee), (707) 527-4860.

Type III: Financial Aid

Decisions regarding rules and regulations associated with Financial Aid and Scholarships are directed to the Financial Aid Office in order to initiate the Financial Aid Appeal Process.

Type IV: Complaints Against Another Student

These complaints must go directly to the Vice President, Student Services.

Type V: Other Complaints

This category includes any informal complaint or formal grievance against a faculty, staff or administrator that does not fall within the descriptions of other types of complaints, including a complaint against a college policy or procedure, or against any action violating applicable local, state or federal laws.

Direct Resolution, Informal Complaint & Formal Grievance Procedures

Direct Resolution

- Any student who believes he/she has grounds for a complaint should make an attempt in good faith to resolve the problem with the faculty, staff or administrator who is the source of the complaint.
- Students in online classes may proceed through these procedures by email or teleconference.
- If the student is uncomfortable addressing the source of the complaint, he/she may consult with the Ombudsperson for advice. The Ombudsperson is a college employee who offers confidential, informal, independent, and neutral dispute resolution services to all Santa Rosa Junior College students by providing information, advice, intervention and referrals in an effort to resolve issues informally before they escalate to a Formal Grievance. On the Santa Rosa campus, the Manager, Student Life, serves as Ombudsperson. On the Petaluma Campus, the Dean, Student Services, serves as Ombudsperson. On the Petaluma Campus, the Manager, Student Support Services serves as Ombudsperson.
- If both parties agree, the Ombudsperson may be asked to mediate the discussion.
- If the student is not comfortable addressing the source of the complaint because of harassment or discrimination concerns (Type II), he/she should take the complaint to the Vice President, Human Resources.
- The faculty member, staff person, or administrator who is the source of the complaint has ten (10) instructional days from first contact to suggest a resolution.
- In cases where the complaint cannot be resolved through open and honest dialogue between the persons involved, students can proceed to the informal complaint process.

Informal Complaint

- If a Direct Resolution cannot be agreed upon, the student may make contact with the immediate supervisor of the person toward whom the complaint is being brought. In the case of a faculty member, the immediate supervisor is the Department Chair, Program Director or Supervising Administrator. In the case of a staff person or administrator, the Ombudsperson may be consulted if help is needed in identifying the immediate supervisor to be contacted.
- To initiate an Informal Complaint, the student must fill out the Student Complaint form found at https://cm.maxient.com/reportingform.php?SantaRosaJC&layout_id=30 (https://cm.maxient.com/reportingform.php?SantaRosaJC&layout_id=30) and at the office of Student Life, Equity & Engagement on either the Santa Rosa or Petaluma Campus.
- The supervisor must provide the student with a proposed resolution and/or decision regarding the complaint within ten (10) instructional days of student contact with the supervisor. This initial contact may happen via email, telephone, or face-to-face. The faculty/staff decision must be included on the complaint form with signatures; additional pages may be attached if necessary.
- By mutual agreement, the student and the supervisor may extend the timeline in order to resolve the issue. To verify/document that the complaint timeline was followed, the supervisor will send information

to the supervising administrator with the proposed resolution, send a copy to the student, and also print and keep a confidential copy.

- If the Informal Complaint cannot be resolved, the student can file a Formal Grievance. This must be filed within ten (10) instructional days after receiving the proposed resolution of the Informal Complaint.

Formal Grievance

If the student is not willing to accept the decision or proposed resolution from the informal complaint process, and the student wishes to appeal, the complaint becomes a formal grievance and the student becomes a grievant.

- The purpose of the Formal Grievance process is to provide for an impartial review and to ensure that the rights of students are properly recognized and protected. A grievable action is defined as any action:
- Violating written campus policies,
- Constituting arbitrary, capricious, or unequal application of written campus policies or procedures, or
- Violating applicable local, state or federal laws.
- The grievant must put his/her grievance in writing using the Student Grievance Form found at https://cm.maxient.com/reportingform.php?SantaRosaJC&layout_id=30 (https://cm.maxient.com/reportingform.php?SantaRosaJC&layout_id=30) and at the office of Student Life, Equity & Engagement on either the Santa Rosa or Petaluma Campus. The student must bring the filled-out form with him/her to the Supervising Administrator.
- Throughout the Formal Grievance process, all new evidence or allegations must be germane to the original grievance as filed and stated in the grievance form. The grievant may enlist the support of the Ombudsperson in filling out the form. During each step of the Formal Process, every attempt should be made to meet with the grievant in person.

Step A – Contact Supervising Administrator

- Students should make contact with the Supervising Administrator appropriate to the individual against whom the grievance is being brought. If both parties are located on the Petaluma Campus, the Supervising Administrator will be one of the Deans on the Petaluma Campus. The Supervising Administrator must respond to the grievant with a written decision within ten (10) instructional days of the first date of filing of the grievance form.
- By mutual agreement, the grievant and the Supervising Administrator may extend the timeline in order to resolve the issue.
- If necessary, the student may appeal the decision to the appropriate Vice President (Step B) within ten (10) instructional days of receiving the decision in writing.

Step B – Contact Vice President

- If the grievant wishes to appeal the decision of the Supervising Administrator, the grievant must make contact with the appropriate Vice President. In the case of a faculty member, this will be the Senior Vice President, Academic Affairs. In cases involving a classified employee, faculty who work outside the classroom (e.g. counselors), an administrator, or a Type V (non-grade) grievance, the student grievant should consult the Ombudsperson to determine the appropriate Vice President to contact.
- The Vice President (or designee) must address the grievance within ten (10) instructional days of filing the Grievance Form with the Vice President. By mutual agreement, the student and the Vice President may extend the timeline in order to resolve the issue.
- Within ten (10) instructional days of receiving the decision in writing, the grievant may appeal the Vice President's decision to the College Grievance Board of Review.

Step C – Board of Review

- To initiate an appeal to the College Grievance Board of Review, the student must contact the Vice President, Student Services and request a review of prior decisions by a Board of Review.
- The Vice President, Student Services will determine the appropriate Vice President to convene the Board of Review.
- The grievant must bring the completed, signed Grievance Form and all documentation from each prior step of the process (Grievance Packet).
- Within ten (10) instructional days after receiving this Grievance Packet, the Vice President, Student Services (or designee) will deliver a copy of the Grievance Packet to the person whom the grievance is against and call for formation of a Board of Review. A hearing must be scheduled within fifteen (15) instructional days of filing of the student grievance form with the Vice President, Student Services. The Board of Review will convene and recommend action.

College Grievance Board of Review

Composition

- A Board of Review shall be convened upon the written request of the Vice President, Student Services.
- A Board of Review is composed of two faculty members appointed by the Academic Senate, one administrator chosen by the Vice President Student Services, and two students appointed by the Student Senate. Alternates will be chosen for each position to serve in cases of conflict of interest. If the formal grievance is against a classified staff member, the committee would be augmented by two members of the classified staff selected by their bargaining unit.
- One of the members of the Board of Review will be appointed as chairperson by the Vice President, Student Services.
- All members of the Board of Review must be present for it to take any action. Those members voting will have been present during all testimony and deliberation.
- If the Board of Review is unable to arrive at a recommendation within ten (10) instructional days of the opening of the hearing, then the Board will be dissolved and a new Board of Review appointed.

College Grievance Board of Review

Process

- The information in the possession of the Vice President, Student Services, shall be provided to the Board of Review by the Vice President.
- The Board of Review may postpone the hearing if they feel one or both parties need more time to prepare their cases. The Board of Review shall discuss issues, hear testimony, examine witnesses and consider all available evidence pertaining to the charge.
- Arguments about legal validity or constitutionality of College policies or procedures will not be entertained by the Board of Review and the hearing will not be interrupted for their presentation.
- Attendance at the hearing shall be limited to Board of Review Members and the active parties of the grievance. Both parties have the right to representation and to question witnesses present to testify. Witnesses will be present only while testifying.
- The hearing need not be conducted according to technical rules relating to evidence and witnesses. Any relevant evidence shall be

admitted if it is the sort of evidence on which reasonable persons are accustomed to relying on in the conduct of serious affairs.

- The Board of Review shall judge the relevance and weight of testimony and evidence and make its findings of facts, limiting its investigation to the formal charge. A vote of the Board of Review will be taken by open written ballot and the votes recorded by name. A majority vote is required for a decision. The decision of the Board of Review must be presented within five (5) instructional days of the close of the testimony.
- The Board of Review may make recommendations as appropriate with the individual's standing in the College community and the severity of the offense.
- A recording made of the proceedings shall be submitted by the Board of Review and kept in a confidential file by the Vice President, Student Services and shall be available at all times to both parties of the grievance. A written transcript will also be filed at the request of either party at that person's expense.

Final Action

- The Board of Review shall submit its findings of facts and recommendations to the Vice President, Student Services, with copies to each party to the grievance and to the Superintendent/President. This shall serve as a final decision unless changed through the appeal process listed below.

Appeals

- Either party may write an appeal to the Superintendent/President within two (2) instructional days of receipt of certified mail notification. The Superintendent/President, (or designee) upon receiving an appeal and the findings of facts and recommendations of the Board of Review, shall review the proceedings of the Board and conduct such investigation as seems appropriate. The Superintendent/President (or designee) will render a decision and transmit it in writing to both concerned parties and the Board of Review.

Issues Not Resolved at the Campus Level

U.S. Department of Education State Authorization Regulations

In order for institutions of higher education to participate in the Federal student aid programs authorized by Title IV of the Higher Education Act of 1965, an institution must be legally authorized to provide post-secondary educational programs within the state in which it is located. By rule promulgated by the U.S. Department of Education, part of this "state authorization" requirement is that the state must have "a process to review and appropriately act on complaints concerning the institution including enforcing applicable State laws. For its part, the institution must "provide students or prospective students with contact information for filing complaints with its accreditor and with its State approval or licensing entity and any other relevant State official or agency that would appropriately handle the student's complaint."

Options Beyond the Campus Level

Most complaints, grievances or disciplinary matters should be resolved at the campus level. This is the quickest and most successful way to resolving issues involving a California Community College (CCC). You are obligated to work through the college complaint process first before escalating issues to any of the following resources. Issues that are not resolved at the campus level may be presented:

- To the Accrediting Commission for Community and Junior Colleges (ACCJC) at http://www.accjc.org/complaint-process if your complaint is associated with the institution's compliance with academic programs quality and accrediting standards. ACCJC is the agency that accredits the academic programs of the California Community Colleges.
- To the CCC Chancellor's Office by completing the Web form at https://www.cccco.edu/Complaint-Process-Notice your complaint does not concern CCC's compliance with academic program quality and accrediting standards.
- To the CCC Chancellor's Office Website if your complaint involves unlawful discrimination.
- The student also has the right to file a complaint with the Office of Civil Rights of the U.S. Department of Education at the following link https://ocrcas.ed.gov/welcome-to-the-ocr-complaint-assessment-system.
- Nothing in this disclosure should be construed to limit any right that you may have to take civil or criminal legal action to resolve your complaints.

Procedure 8.2.2P, Revised October 2014

Student Conduct and Discipline Due Process

The Sonoma County Junior College District supports a safe, productive learning environment to foster intellectual curiosity, integrity, and accomplishment as defined in the District Mission and Goals.

The District holds that students shall conduct themselves in a manner which reflects their awareness of common standards of decency and the rights of others. Interference with the District's mission, objectives, or community life shall be cause for disciplinary action.

A student is defined as a person who is currently enrolled as a student in a credit or noncredit class or in community service offerings of the District; engaged in District activities in preparation for enrollment; or enrolled as a student or preparing for enrollment at the time of an alleged violation of the Standards of Conduct.

In some circumstances, these standards of conduct may apply to conduct that occurs off-campus when the Conduct Dean determines there is reasonable association with the District. In cases involving sexual misconduct, the jurisdiction will be determined by the Vice President of Human Resourcesor or the Title IX Coordinator.

Students shall be subject to District discipline only for good cause which shall include, but not be limited to, the following categories of misconduct that occurs at any time, in any format with a member of the District community, or at a District-approved activity or sponsored event.

Acts of Misconduct

1. Dishonesty, such as cheating, plagiarism, or knowingly furnishing false information to the District.
2. Forgery, alterations, or misuse of District documents, records, or identification.
3. Use of any electronic listening or recording device in any classroom without the prior consent of the instructor, except as necessary to provide reasonable auxiliary aids and academic accommodations to a student with a disability.

4. Making a video recording, audio recording, taking photographs, or streaming audio/video of any person in a location where the person has a reasonable expectation of privacy, without that person's knowledge and express consent.
5. Sale, preparation, or distribution for any commercial purpose course lecture notes or video or audio recordings of any course, unless authorized by the authoring faculty or District representative in advance. The unauthorized sale or commercial distribution of course notes or recordings by a student is a violation of this policy whether or not it was the student or someone else who prepared the notes or recordings.
6. Obstruction or disruption of teaching, research, administration, disciplinary procedures, District activities, or other activities authorized by the District including its public service functions, or of other authorized activities.
7. Solicitation or acceptance of money or other item of value as an inducement, encouragement, or reward for intercollegiate participation or false declarations regarding eligibility for participation in intercollegiate athletics.
8. Sexual misconduct including but not limited to lewd or indecent behavior, sexual assault, sexual battery, sexual harassment, or threat of sexual misconduct as defined by law or policy of the District.
9. Participation in hazing or any method of initiation or pre-initiation into a campus organization or other activity engaged in by the organization or members of the organization at any time that causes, or is likely to cause, physical injury or personal degradation or disgrace resulting in psychological harm to any student or other person.
10. Harassment, bullying, or discriminatory behavior defined as conduct that is objectively severe, pervasive, and offensive, and that so substantially impairs a person's access to District programs or activities that the person is effectively denied equal access to the District's resources and opportunities.

    Harassment includes, but is not limited to, conduct that is motivated on the basis of a person's race, color, national or ethnic origin, citizenship, sex, religion, age, sexual orientation, gender identity, pregnancy, marital status, ancestry, service in the uniformed services, physical or mental disability, medical condition, or perceived membership in any of the classifications.
11. Stalking behavior in which a student repeatedly engages in a course of conduct directed at another person and makes a credible threat with the intent to place that person in reasonable fear for his or her safety, or the safety of his or her family; where the threat is reasonably determined by the District to seriously alarm, torment, or terrorize the person; and where the threat is additionally determined by the District to serve no legitimate purpose.
12. Physical, verbal, written, or image based abuse of any person, or conduct which threatens or endangers the health or safety of any such person.
13. Assault, battery, or any threat of force or violence upon a person.
14. Possession or use of any deadly weapon, replica weapon, explosive, or other destructive device on District Property including, but not limited to firearm, dirk, dagger, ice pick, knife, or any other object used as a weapon
15. Willful misconduct resulting in injury or death to a person or which results in cutting, defacing, or other damage to any District or personal property.
16. Committing, attempting, or being an accomplice to robbery or extortion on District property or at a District activity.
17. Theft of or damage to property of the District or of a member of the District community or campus visitor. This includes abuse of District computers and other District electronic resources such as computer and electronic communications facilities, systems, and services. Abuses include, but are not limited to, unauthorized entry, use, transfer, or tampering with the communications of others; interference with the work of others and with the operation of computer and electronic commutations facilities, systems, and services.
18. Willful or persistent smoking or use of electronic or vapor smoking device in any area on District property where smoking has been prohibited by law or by regulation of the Board of Trustees of Sonoma County Junior College District.
19. Unauthorized entry to, possession of, receipt of, or use of any District services, equipment, resources, or properties, including the District or College name or logo. Unauthorized possession, duplication, or use of keys or entry devices to any District facilities.
20. Violation of District regulations maintained by the Office of Student Affairs concerning student organizations, or the time, place and manner of public expression, including participation in a disturbance of the peace or unlawful assembly.
21. Engaging in expression which is libelous or slanderous or which so incites others as to create a clear and present danger of the commission of unlawful acts on District premises or at District-sponsored or supervised functions, or the violation of lawful District administrative procedures, or the substantial disruption of the orderly operation of the District.
22. Unlawful possession, use, sale, offering to sell, or furnishing, or being under the influence of, any controlled substance, alcoholic beverage, or intoxicant or poison or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia.
23. Continued disruptive behavior, failure to comply with directions of District officials acting in the performance of their duties, continued willful disobedience, habitual profanity or vulgarity, open and persistent defiance of authority or persistent abuse of District personnel requiring inordinate drains on staff time, resources and supervision.
24. Failure to identify oneself to, or comply with the directions of a District official acting in the performance of their duties or resisting or obstructing such District official in the performance of or the attempt to perform their duties.
25. Failure to observe precautions the District deems necessary to ensure the safety of the student or others.

Written Notice

For the purpose of this policy and procedures, and unless otherwise specified, "written notice" means notice that is served by U. S. mail and email at the student's most recent addresses on file in the District's Admissions and Records Office and shall be deemed received by the student two (2) working days after deposit in the mail or received immediately by the student upon email delivery.

Discipline Due Process

The intention of the Student Discipline and Due Process Procedure is to resolve alleged violations of the standards of conduct in a fair, honest manner that honors the needs and protects the safety of the District community.

These procedures provide a prompt and equitable means to address violations of the Santa Rosa Junior College Student Standards of Conduct in accordance with the due process rights guaranteed to students. These procedures do not substitute for criminal or civil proceedings that may be separately initiated.

These procedures are not intended to infringe in any way on the rights of students to engage in protected free expression.
The Superintendent/President delegates general authority for the implementation of this Administrative Procedure to the Dean, Student Conduct or designee. The Director of Student Engagement & Support Services, Petaluma Campus shall be the Conduct Dean for student conduct matters at the Petaluma Campus.

Reporting Misconduct

1. Any member of the college community may make a complaint against a student with allegations of misconduct. Acts of academic dishonesty such as cheating or plagiarism shall be reported to the Director of Student Engagement & Support Services, for incidents at the Petaluma campus, and the Dean, Student Affairs and Engagement Programs for all other locations.
   Acts of sexual harassment shall be reported to the District Vice President of Human Resources & Title IX Coordinator. All other misconduct shall be reported to the Conduct Dean.
2. Misconduct in the instructional setting may be addressed and resolved by the instructor. The instructor shall privately inform the student of the misconduct, either face to face or by email, with a warning and statement of expected behavior in an effort to redirect the student. The student, at this point, has the right to respond to the instructor's allegations. If the misconduct is severe, or continues after warning, a report shall be sent to the Department Chair and the Conduct Dean.
3. Any member of the college community including District Police officers, administrators, students, faculty and staff may report misconduct in a non-instructional setting to the Conduct Dean.
4. Any misconduct that is deemed dangerous or criminal shall be reported to District Police immediately and then the Conduct Dean.

Investigation and Administrative Hearing Process

1. Upon receiving the conduct referral, the Conduct Dean will investigate the allegations. If the Dean finds there are grounds for charges, a written Statement of Charges shall be provided to the student that will include a statement of the misconduct, the identified conduct violation charges, and the time, date, and place of the Administrative Hearing. The student shall be asked to provide a written response to the Statement of Charges to the Conduct Dean no later than two (2) working days after the student's receipt of the Statement of Charges. The Statement of Charges may be amended at any time upon providing notice to the student of such amendment.
2. Representation and Advisors
   a. The student shall represent him or herself at the hearing, and may, but need not, bring a non-attorney advisor he or she chooses. The non-attorney advisor may advise the student, but may not participate. Failure by the non-attorney to comply with this requirement will result in removal from the hearing.
   b. The Conduct Dean may request that the District provide an attorney at the hearing to sit in an advisory capacity and to provide legal counsel. If the District intends to have an attorney assist the Conduct Dean during the hearing, it will notify the student not less than five (5) working days prior to the date of the hearing so that the student may decide whether to obtain his or her own attorney.
   c. A student may have an attorney advisor only if (1) the District will have an attorney to assist the Conduct Dean during the hearing, or (2) if criminal charges related to the alleged student misconduct are pending against the student at the time of the hearing. The student is solely responsible for securing and compensating an attorney. The student must notify the District not less than five (5) working days prior to the date of the hearing that they will be accompanied by an attorney under this paragraph.
   d. Attorneys who assist the Conduct Dean or a student may be present and provide advice to their client, but beyond stating their names for identification purposes, may not participate by examining witnesses, submitting or objecting to documents, making statements, or asking questions.
   e. Any person licensed to practice law is considered an attorney for purposes of the hearing.
3. The hearing shall be closed and confidential.
4. At the Administrative Hearing, the Conduct Dean shall give the student the opportunity to respond to the Statement of Charges.
5. The Dean may conduct further investigation of the allegations and may require additional meetings with the student as part of the Administrative Hearing.
6. The Dean and the student may discuss voluntary resolution/ consent to discipline as part of the Administrative Hearing if deemed appropriate by the Dean.
7. Waiver of Administrative Hearing
   a. A student who fails to attend an Administrative Hearing without excusable reason shall be deemed to have waived his or her right to an Administrative Hearing. Excusable reason means inability to meet due to student's hospitalization, incarceration, or other reason beyond the student's control as determined by the Conduct Dean.
   b. Following the Waiver of Administrative Hearing, the Conduct Dean will proceed to determine and provide notice to the student of the Administrative Decision.

Determination and Notice of Administrative Decision/recommendation

The Conduct Dean shall issue a written notice of his or her Administrative Decision to the student including recommended sanction, within ten (10) working days of completion of the Administrative Hearing process or within ten (10) working days of the student's waiver of hearing rights. The Conduct Dean may extend the time for issuing written notice if he or she determines an extension is appropriate to support a meaningful disciplinary process. The Administrative Decision shall be based on reasonable and relevant evidence. The Conduct Dean may consider the student's disciplinary history at the District in reaching a decision or recommendation. The Administrative Decision shall include the Statement of Charges, indication of timely written response from the student, factual findings and conclusions as to which Standards of Student Conduct were violated and any discipline sanctions to be imposed.

Sanctions

1. Withdrawal of Consent to Remain on District Property
   a. The Superintendent/President, College Chief of Police/designee, Vice President of Student Services/Assistant Superintendent, and Conduct Dean are authorized to notify any person for whom there is a reasonable belief that the person has willfully disrupted the orderly operation of the District that consent to remain on District property has been withdrawn. If the person is on District property at the time, they must promptly leave or be escorted off-site.
   b. Withdrawal of consent to remain on District property issued to a student shall not exceed fourteen (14) calendar days from the date upon which consent was initially withdrawn.
   c. Any student whose consent to remain on District property has been withdrawn who knowingly re-enters the campus during the period in which consent has been withdrawn, except to attend a hearing with the Conduct Dean, is subject to arrest.
   d. Withdrawal of consent does not preclude any other disciplinary actions under these procedures for student violation of the District's Student Conduct Standards.
2. Exclusion from Class or Activity
   a. An instructor may decide to exclude a student from up to two class meetings and shall notify the Conduct Dean and Department Chair. Classwork missed during an instructor removal may not be made up, and the days of removal are considered unexcused absences.
   b. Any faculty or administrative staff who are assigned to supervise a library, tutorial center, instructional laboratory, study facility, or other site of extra-curricular activities such as clubs and athletics may exclude a student for no more than two (2) days of required attendance, or if attendance is not required, for two (2) consecutive days and shall notify the Conduct Dean and supervising administrator.
3. Immediate Interim Suspension
   If the Conduct Dean determines it is necessary to protect lives or property and to ensure the maintenance of order, a student may be immediately suspended from some or all classes and class-related activities, pending an opportunity for a hearing within ten (10) calendar days.
4. Probation or Short-term Suspension
   If the Conduct Dean determines that good cause exists to impose a period of probation or short-term suspension, the Administrative Decision shall specify the length of time of the probation or suspension and the parameters of activities covered by the sanction. Probation allows for conditional continued enrollment under stated restrictions. Short-term suspension excludes a student from one or more classes and/or extra-curricular activities for a specified period of less than ten (10) days of instruction. The Conduct Dean's determination of probation or short-term suspension or lesser disciplinary action shall be final and cannot be appealed. Violations of either probation or short-term suspension may be cause for more serious disciplinary action.
5. Long-term Suspension
   If the Conduct Dean determines that good cause exists to suspend the student from the District on a long-term basis, the Administrative Decision shall specify the length of the long-term suspension, which may range from exclusion from one or more classes for more than ten (10) days of instruction up to one or more terms. A long-term suspension includes exclusion from class-related activities and extra-curricular activities for a concurrent period unless otherwise indicated.
6. Restitution and/or Restorative Remedies
   If the Conduct Dean determines that good causes exists to impose restitution for damages caused to District or personal property, the Conduct Dean shall determine monetary penalty as compensation for damage resulting from student misconduct.
   Restitution may take the form of appropriate services identified by the District. If the Conduct Dean determines that participation in restorative remedies is appropriate a restorative plan will be written in the Notice of Administrative Decision.
7. Expulsion
   If the Conduct Dean recommends expulsion, he or she shall forward the matter to the Vice President of Student Services. Expulsion means permanent exclusion of the student by the Board of Trustees from all District courses, activities, and presence on District property. The Vice President of Student Services shall determine whether to accept, modify, or reject the Conduct Dean's Administrative Decision. If the Conduct Dean's expulsion recommendation is accepted, the Vice President shall forward the recommendation to the Superintendent/President. If the Conduct Dean's Administrative Decision is rejected or modified, the student shall receive written notice of the new Administrative Decision.

Appeal Procedures

1. Right to Appeal
   If either long-term suspension or expulsion is recommended, the student may submit a timely request for an appeal hearing unless the student waived the right to appeal by failing to participate in the Administrative Hearing process.
2. Request for Appeal Hearing
   If a student who participated in the Administrative Hearing wishes to appeal an Administrative Decision imposing a long-term suspension or recommendation for expulsion, the student shall serve a written Request for Appeal Hearing with the Conduct Dean no later than 5:00 p.m. on or before the fifth working day after the student's receipt of the written Administrative Decision.
   If no timely Request for an Appeal Hearing is received by the Conduct Dean, the right to an Appeal Hearing is waived by the student. If the Administrative Decision imposes a long-term suspension, the long-term suspension shall commence immediately upon the expiration of the time to request an Appeal Hearing. If the Administrative Decision recommends expulsion, the matter shall be sent to the Superintendent/President.
3. Schedule and Notice of Appeal Hearing
   a. Upon receipt of a student's timely request for an Appeal Hearing, the Conduct Dean will schedule an Appeal Hearing and send written notice to the student of a Notice of Appeal Hearing and Statement of Charges.
   b. The Appeal Hearing shall be held within twenty (20) working days after a written request for Appeal Hearing is received from the student. The Conduct Dean or Hearing Officer may determine an extension of the Appeal Hearing date is appropriate to support a meaningful disciplinary process. The Notice of Appeal Hearing and Statement of Charges shall advise the student of the date, time, and place of the Appeal Hearing. The written Notice of Appeal Hearing and Statement of Charges shall be sent to the student at least five (5) working days prior to the Appeal Hearing date.
   c. The Statement of Charges shall include the following:

i. The alleged misconduct.
ii. The specific section (s) of the Standards of conduct that the student is accused of violating.
iii. A brief statement of the facts supporting the Charges.
iv. The discipline sanction(s) being considered.

d. The Administrative Decision may serve as the Statement of Charges.
e. The student may submit a written response to the Statement of Charges to the Hearing Officer by no later than 5:00 p.m. three (3) working days in advance of the date of the Appeal Hearing.

4. Impartial Appeal Hearing
a. The President/Superintendent shall assign the Appeal Hearing to an impartial District administrative Hearing Officer, such as another dean or vice president. Prior to assigning the matter, the Superintendent/President shall determine to his/her satisfaction that the assigned Hearing Officer does not have personal knowledge of or involvement in the matter and that the Hearing Officer is able to provide a timely and unbiased review and determination of the matter.
b. Prior to the commencement of the Appeal Hearing, the Hearing Officer shall be provided with a copy of the Statement of Charges and any timely written response provided by the student.
c. Formal rules of evidence shall not apply, but relevant evidence may be admitted and considered if it is the kind of evidence upon which reasonable persons are accustomed to rely in the conduct of serious affairs.
d. Unless the Hearing Officer determines to proceed otherwise, the Conduct Dean and the student may make opening statements. The facts supporting the accusation shall be presented by the Conduct Dean. The student may then present his or her evidence. The Conduct Dean may present rebuttal evidence after the student completes his or her defense. If the student's disciplinary history is introduced, the student may address his or her discipline history, but shall not be permitted to call witnesses or introduce documents to refute the conduct upon which the previous disciplinary action(s) were based or the appropriateness of the previous disciplinary action(s). The Conduct Dean and the student may call and question their own witnesses and introduce oral and written testimony relevant to the matter. Written testimony must be signed and dated, and the accuracy of the contents must be verified by the author under penalty of perjury. Notification of names of witnesses and relevance to the case shall be submitted in writing to the Conduct Dean by no later than 5:00 p.m. three (3) working days in advance of the date of the Appeal Hearing. All witnesses shall be excluded from the Appeal Hearing when not testifying. The Hearing Officer does not have the power to subpoena witnesses. The Conduct Dean and the student may make closing statements.
e. A student who fails to appear for the Appeal Hearing at the designated time and place shall be deemed to have waived his or her right to an Appeal Hearing and the discipline sanctions included in the Statement of Charges shall be imposed.
f. The student shall represent him or herself at the Appeal Hearing with the same stipulations regarding attorney and non-attorney advisors as outlined under the Administrative Hearing Process.
g. The Appeal Hearing shall be closed and confidential.
h. The Appeal Hearing shall be audio or stenography recorded by the District and shall be the only recording made unless the Hearing Officer authorizes additional recordings. No witness who refuses to be recorded shall be permitted to give testimony. Recordings shall remain in the custody of the District at all times, unless released to a professional transcribing service. The student may request a copy of the recording at his or her own cost.

5. Preparation of Decision
a. Within thirty (30) working days following the conclusion of the Appeal Hearing, the Hearing Officer shall prepare and send to the Superintendent/President a written Advisory Decision and a complete copy of the record of the Hearing. In matters under the jurisdiction of Title IX, the timeline shall be adjusted to meet the 60 working days guideline for completion of the appeal. The Advisory Decision shall be based upon the preponderance of evidence relevant to the charges adduced at the Hearing. The Advisory Decision shall include factual findings, conclusions as to whether any sections(s) of the standards of Student Conduct were violated, and a recommendation of the disciplinary action to be imposed, if any. The Advisory Decision shall be based only on the record of the hearing.
b. The "record of the hearing" shall include the Statement of Charges (as amended, if applicable), the student's written response, if any, the oral and documentary evidence adduced at the Hearing, the recording made during the Hearing, and the District's record of previous disciplinary issues related to the student, it any.

Superintendent/President's Review

1. President's Review When Student Waived Procedures
If the Conduct Dean recommends expulsion and the student waives his or her right to proceed by failing to attend the Administrative Hearing or by failing to make a timely request for an appeal hearing, the Superintendent/President shall determine whether to accept, modify, or reject the Dean's Administrative Decision.

2. President's Review of Appeal Hearing
a. Within thirty (30) working days of receipt of the Hearing Officer's Advisory Decision and record of the Appeal Hearing, or sooner if required to meet Title IX guidelines, the Superintendent/President shall review the Advisory Decision and the record of the Appeal Hearing and shall determine whether to accept, modify or reject the Advisory Decision. If the Superintendent/President determines to modify or reject the Hearing Officer's Advisory Decision, he or she shall prepare a new written decision which contains specific factual findings and conclusions based on the record of the Appeal Hearing.
b. A decision of the Superintendent/President to uphold the Conduct Dean's suspension of a student shall be final and written notice of the final Administrative Decision shall be sent to the student.
c. If the Superintendent/President determines that expulsion is appropriate, the recommendation for expulsion shall be made in writing to the Board of Trustees and written notice sent to the student.

Board of Trustees Review

Expulsion

1. Consideration of Expulsion Recommendation
The Board of Trustees shall consider any recommendation from the Superintendent/President for expulsion at the next regularly scheduled meeting of the Board occurring at least 10 working days after receipt of the recommendation or at a special meeting

held within 20 working days after receipt of the recommendation. The Board's review may be extended beyond these periods if the Superintendent/President determines that an extension is appropriate to support a meaningful disciplinary process. The Board's consideration consists of a review of the record of Appeal Hearing and the Advisory Decision from the Appeal Hearing (if applicable), or the President's written decision and/or recommendation. The Board review does not provide another evidentiary hearing for the student on the matter.

2. Board of Trustees Review
   The student shall be given written notice of the date, time, and place of the Board's meeting at least five (5) working days in advance of the meeting.
   The Board shall consider an expulsion recommendation in closed session unless the student or his or her parent, guardian, or conservator, if the student is a minor or conserved, requests an open session.
3. Board Decision
   The Board may accept or reject the expulsion recommendation of the Superintendent/President after a review of the Appeal Hearing record or after reviewing the Conduct Dean's Administrative Decision when the student waived his or her right to an Appeal Hearing. If the Board rejects the expulsion recommendation, the Board shall prepare a new written decision which includes factual findings, Standards of Conduct that were violated, and disciplinary action, if any. The decision of the Board shall be based only on the record of the Appeal Hearing or the Dean's Administrative Decision, and the District's record of previous disciplinary issues related to the student, if any. The Board's decision regarding expulsion is final. The Board's action shall be a public record of the District in accordance with laws related to student records.
   Written notice of the Board's final decision shall be sent to the student as soon as practicable after the Board meeting.

Special Circumstances

The District may notify the parent(s)/guardian(s) of minor students, or conservators of students known to be under conservatorship for educational decisions of proposed disciplinary action against the minor or conserved student when the disclosure to the parent/guardian/conservator is permitted under the Family Educational Rights and Privacy Act.

Policy 8.2.8/Procedure 8.2.8P, Revised March, 2015

Student Equity

In order to promote student success for all students, regardless of race, gender, age, disability, or economic circumstances, the governing board of each community college district shall maintain a student equity plan.

The District has a student equity plan. The plan is filed as required to the California Community Colleges Chancellor's Office, following approval by the Board.

The Student Equity Plan shall be developed, maintained, and updated under the supervision of the Assistant Superintendent/Vice President, Student Services.

The intent of the Student Equity Plan is to guide the district's work in closing the achievement gap for disproportionately impacted (DI) student groups as defined by Education Code.

The plan addresses:

- the active involvement of designated participatory governance groups;
- broad participation by people who can provide the perspectives and concerns of historically underrepresented groups.
- campus-based research as to the extent of student equity;
- institutional barriers to equity;
- goals addressing student success outcomes required by state regulations and the California Community College Chancellor's Office (CCCCO);
- activities designed to attain the goals;
- sources of funding for implementation of the plan;
- schedule and process of evaluation of progress toward the goals;
- and other components required by state regulations and the CCCCO regarding Student Equity Plan.

AP 5300, Revised May 2025

Student Obligations and Responsibilities

Change of Address

A change of address should be reported promptly to the Admissions, Records, and Enrollment Development Office. Students can also update their address online in the Bear Cub Hub (https://experience.elluciancloud.com/sjc155/).

Attendance

Since regular attendance promotes success in classwork, a student is expected to attend all sessions of each class in which he/she is enrolled. Attendance is the student's responsibility. Any student who ceases to attend a class and fails to drop it officially in the Admissions and Records Office may receive a grade of "F."

Any student enrolled in a course who is not present or who has not made prior arrangements with the instructor by the first day of class may be dropped from the course by the instructor.

All individuals attending a class at Santa Rosa Junior College must be officially enrolled in that course. For additional information, please refer to Attendance Requirements Policy 8.1.5.

Exceptions Are

1. A person seeking to add a class within the prescribed period of time.
2. An occasional visitor with the instructor's permission.
3. A person who has been granted auditing status.

Absences Due to Illness

Students who will be absent for more than one week should notify their instructors in advance if possible. Students should determine, by consulting with the instructor, the status of any missed work.

Student Right to Know

Student Right-to-Know Rates for Fall 2021 Cohort

Completion Rate: 36.85 %

Transfer Rate: 10.12 %

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of our college district to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2021, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a three-year period. Their completion and transfer rates are listed above. These rates do not represent the success rates of the entire student population at the College nor do they account for student outcomes occurring after this three-year tracking period.

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a three-year period, from Fall 2021 to Spring 2024. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer prepared '. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer prepared' during a five-semester period, from Spring 2022 to Spring 2024, are transfer students.

These statistics are reported per SRTK (Jeanne Clery) regulations. For more information on SRTK, go to the Web site:http://srtk.cccco.edu/index.asp#or contact the Office of Institutional Effectiveness, Research and Planning at (707) 778-3922.

Student Success and Support Program

The District shall provide Student Success and Support Program services to students to further equality of educational opportunity and academic success.##The Student Success and Support Program (SSSP) brings the student and the District into agreement regarding the student's educational goal through the District's established programs, policies, and requirements.#The agreement is implemented by means of the student educational plan.

Each student, in#entering into#an educational plan, will do all of the following:

- identify an education and career#goal;
- identify a course of#study;
- be assessed to determine appropriate course#placement;
- complete#orientation;
- participate in the development of the student educational#plan;
- complete a student educational plan no later than the term after which the student completes 15 semester units of degree applicable credit#coursework;
- diligently attend class and complete assigned coursework; and
- complete courses and maintain progress toward an educational#goal

Student Success and Support Program services include, but are not limited to,#all of#the following:

- Orientation on a timely basis, information concerning campus procedures, academic expectations, financial assistance, and any other appropriate#matters
- Assessment and counseling upon enrollment, which shall include, but not be limited to,#all of#the following:
- Administration of assessment instruments to determine student
- competency in computational and language#skills
    - Assistance to students in the identification of aptitudes, interests, and educational objectives, including, but not limited to, associate of arts degrees, transfer for baccalaureate degrees, and vocational certificates and#licenses
    - Evaluation of student study and learning#skills
- Referral to specialized support services as needed, including, but not limited to, federal, state, and local financial assistance; health services; mental health services; campus employment placement services; extended opportunity programs and services; campus#childcare#services programs that teach English as a second language; and disabled student services
    - Advisement concerning course#selection
- Follow-up services and required advisement or counseling for students who are enrolled in remedial courses, who have not declared an educational objective as required, or who are on academic probation.

The District shall not use any assessment instrument except one specifically authorized by the Board of Governors of the California Community Colleges.

The District shall do#all#of#the following:

- Inform students of their rights to access transfer-level coursework in English, mathematics (or quantitative reasoning), credit English as a Second Language and of the multiple measures placement policies or other college placement processes including the availability of challenge#processes;
- Include information about the student's course placement options in the college catalog, in orientation and advisement materials, on the college's website, student portal, and in any written communication by counseling#services.
- Provide annual reports to the California Community Colleges Chancellor's Office in a manner and form described by the California Community Colleges Chancellor's Office; and

- Publicly post the college's placement results, including the number of students assessed and the number of students placed into transfer-level coursework, transfer-level coursework with concurrent support, or transfer-level or credit English as a Second Language coursework, disaggregated by race and ethnicity.

#Fulfillment of Required Student Success and Support Services

Students who complete the required orientation, placement assessment, and education planning services will be identified as fully-matriculated.

1. Orientation

Students may fulfill this requirement through COUN 270, Online Orientation, and/or in person group orientation, as well as orientation services provided by other District programs that meet SSSP regulations.

1. Placement Assessment

Students may fulfill this requirement through placement methods in compliance with AB705 regulations.

1. Education Planning

- Students may fulfill this requirement by meeting with an academic counselor to develop an education plan.
- Students may also fulfill this requirement through counseling services with other programs, such as DSPS, EOPS/CARE, CalWORKs, Foster Youth Program, or other District programs that provide the education planning services.
- Students should work with counselors to update their education plans if their goals and courses of study change.

Exemption Criteria

Certain students may be exempted from the SSSP requirements if they meet the exemption criteria described in this procedure. Students may elect to participate in these services to become fully-matriculated regardless of their exemption status.

Students who are exempt and who elect not to participate in the SSSP services will not obtain registration priority.

The following categories of students may be exempt from the SSSP service requirements:

1. Students who have earned an Associate or higher degree.
2. Students who are enrolled in the District for the purpose of personal interest or completion of credits for high school diploma or GED.
3. High school students who are concurrently enrolled in the District.

The District shall provide Student Success and Support Program services to students to further equality of educational opportunity and academic success. The Board establishes policies that ensure the District's commitment to inclusion, diversity, equity, anti-racism and accessibility. The purpose of Student Success and Support Program services is to bring the student and the District into agreement regarding the student's educational goal through the District's established programs, policies, and requirements.

The Superintendent/President shall establish procedures to assure implementation of Student Success and Support Program services that comply with the Title 5 regulations.

AP 5050, BP 5050, Revised June 2024

Taxpayer Relief Act of 1997 (Education Tax Credit)

In accordance with the Taxpayer Relief Act of 1997, beginning in 1998, individuals may be able to claim the new tax credit for higher education costs. These are the American Opportunity Credit and the Lifetime Learning Credit.

American Opportunity Credit

Applies to students who are enrolled at least half-time in their first four years of study at an eligible educational institution. A maximum of $2,500 per year of qualifying tuition and required related expenses may be claimed as a credit against taxes owed by taxpayers who meet defined income restrictions. The American Opportunity Credit can be claimed for an eligible student or dependent student who meets the following requirements:

1. Is enrolled in the first four years of postsecondary education.
2. Is taking at least one-half of the normal full-time work load (6 units or more) for his or her course of study for at least one academic period (spring, summer, fall) during the calendar year.
3. Is enrolled in a program that leads to a degree, certificate, or other recognized educational credential.
4. Is free of any felony conviction for possessing or distributing a controlled substance.

The credit amount starts phasing out for individuals making more than $80,000 and for joint filers making more than $160,000.

Lifetime Learning Credit

Individuals may be able to claim a Lifetime Learning Tax Credit of up to $2,000 for the total qualified tuition and related expenses paid during the tax year for all eligible students or dependent students who are enrolled in eligible educational institutions.

1. The Lifetime Learning Credit is not based on the student's work load. It is allowed for one or more courses.
2. The Lifetime Learning Credit is not limited to students in the first four years of postsecondary education.
3. There is no limit on the number of years for which the Lifetime Learning Credit can be claimed for each eligible student.
4. The amount you can claim as a Lifetime Credit does not vary (increase) based on the number of eligible students for who you pay qualified expenses.

For a more detailed Q & A on Tax Credits, visit: http://www.irs.gov/publications/p970/index.html (http://www.irs.gov/publications/p970/) Additional Information:

Internal Revenue Services

To obtain/view copies of Internal Revenue Service publications, including Publication 970 Tax Benefits for Higher Education

IRS Telephone Assistance: (800) 829-1040

IRS Local Taxpayer Assistance Center: (707) 523-0924

Title IX: Sexual Misconduct Prevention & Response

Your safety is our primary concern. The Sonoma County Junior College District is committed to creating and maintaining a community where all individuals who participate in District programs, services and activities can work and learn together in an atmosphere free of violence, harassment, exploitation, or intimidation. The District will respond promptly and effectively to reports of such behavior, and will take appropriate action to prevent, correct, address the effects, and when necessary, discipline behavior that violates District Policies on sexual harassment, sexual assault, relationship violence and stalking.

Contact the SRJC Title IX Office for support and to report sexual harassment, sexual assault, domestic or dating violence, stalking, or threat of any of these acts of allegations of misconduct committed by a student, staff, faculty, or other member of the college community, with or without filing a police report and whether on or off-campus.

SRJC Title IX website: https://titleix.santarosa.edu/

District Board Policy 3433 and Administrative Procedures 3433 and 3434, can be online here (https://titleix.santarosa.edu/sites/titleix.santarosa.edu/files/documents/SRJC%20TItle%20IX%20BP%20and%20APs_0.pdf).

Title IX Coordinator (District-wide):
Stephanie Jarrett
Director, Purchasing & Risk Management
Phone: (707) 527-4822
Email: sjarrett@santarosa.edu
Address: 1501 Mendocino Avenue, Santa Rosa, CA 95401 (Bailey Hall Rm. 1314)

Deputy Title IX Coordinators:
Kimberly Starke (Santa Rosa)
Dean, Disabled Students Programs and Services
Phone: (707) 527-4276
Email: kstarke@santarosa.edu

Denise Cooper (Petaluma)
Manager, Enrollment & Student Services Centers, Petaluma
Phone: (707)778-4187
Email: dcooper@santarosa.edu

Transcripts

OUTGOING
Unofficial transcripts may be obtained via the Bear Cub Hub (https://experience.elluciancloud.com/sjc155/) or in-person with a photo ID at no charge. Unofficial Transcripts are not available for records prior to Fall 1981. For records prior to Fall 1981, you will have to order an Official Transcript.

To request your official SRJC transcript go to: https://admissions.santarosa.edu/transcripts

INCOMING
Official transcripts of all previous schooling should be sent directly to the Admissions and Records Office for evaluation. In-person submissions of official transcripts will only be accepted if delivered in a sealed envelope from the issuing institution. Transcripts will be evaluated after the student submits the Transfer Credit Evaluation Form available online. All transcripts become part of each student's permanent SRJC record and will not be released to other institutions or third parties. For more information, visit: https://admissions.santarosa.edu/incoming-sending-transcripts-srjc

Unlawful Discrimination and Sexual Harassment

The District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, immigration status, religion, age, gender, gender identity, gender expression, race, ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he/she/they is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

The District shall not discriminate against a person in hiring, termination, or any term or condition of employment or otherwise penalize a person based upon the person's use of cannabis off the job and away from the workplace unless permitted by California law.

The Superintendent/President shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Title 5 regulations and those of other agencies that administer state and federal laws regarding nondiscrimination.

BP 3410, Revised November 2024

Verifications

Santa Rosa Junior College has partnered with the National Student Clearinghouse to provide Degree and Enrollment Verification of past and present Santa Rosa Junior College students. Enrollment Verifications are free of charge to students and may be obtained immediately online in the Bear Cub Hub (https://experience.elluciancloud.com/sjc155/).

Enrollment Verification Certificates for the following uses must be requested using this service:
Credit Issuers, Student Loan Deferments, Scholarships, Health Insurance, Employment, Training, Selected Government Forms, Housing, Travel.

SRJC does not provide enrollment or degree verifications over the phone.

If a third party is requesting verification, we must receive a signed Records Release Authorization Form from the student before any information can be released.

Wait Lists

When a class section reaches its enrollment capacity, students may add their name to a waitlist to be considered for any seat that becomes available. Waitlist position is determined by the order in which students join the list, and seats are offered automatically as space opens, through the Bear Cub Hub. Students who receive a waitlist offer are notified by email and must register within the specified time frame to claim the seat; failure to do so will result in the seat being offered to the next eligible student. Joining a waitlist does not guarantee enrollment in the course or fulfill financial aid requirements for enrollment. Students are encouraged to identify alternate sections or courses in case a seat does not become available.

Wait lists close 24 hours before classes start. On the first day of the class, faculty can provide an Authorization (Add) Code from Banner and students can use it to register for the course. Faculty can continue to view the wait list and may choose to use it to inform the order in which they provide Authorization Codes to students.

COLLEGE COMMUNITY

- Bookstores (p. 64)
- CalWORKs (p. 65)
- Campus Tours (p. 65)
- Career Hub (p. 65)
- Children's Center (p. 65)
- Community Engagement (p. 66)
- Counseling Services (p. 66)
- Dental Hygiene Clinic (p. 66)
- Disability Resources Department (p. 67)
- Distance Education and Online Learning at SRJC (p. 67)
- District Police (p. 68)
- Dream Center (p. 68)
- Extended Opportunity Program and Services (EOPS) (p. 68)
- Financial Aid (p. 69)
- Forensics Team (p. 70)
- Foster Youth Programs (p. 70)
- Gallery and Museum (p. 70)
- Health Sciences (p. 71)
- High School Career Pathways to SRJC (p. 71)
- High School Equivalency Program (HEP) (p. 71)
- Hispanic Serving Institution (p. 71)
- Honor Societies (p. 71)
- Hope Program (p. 72)
- Intercollegiate Athletics (p. 73)
- Job Development (p. 73)
- Learning Communities at SRJC (p. 73)
- Library and Media Services (p. 74)
- Lifelong Learning (p. 74)
- Lumafest (p. 74)
- Mathematics, Engineering, Science Achievement (MESA) Program (p. 74)
- Our House Intercultural Center (SRJC Petaluma) (p. 75)
- Peer Assisted Learning Specialist (PALS) Program (p. 75)
- Performing Arts (p. 75)
- Petaluma Film Alliance (p. 75)
- Piner Early College Magnet Program (p. 75)
- Puente Project (p. 76)
- SRJC District Sustainability Committee (p. 76)
- Student Affairs (p. 76)
- Student Employment (p. 78)
- Student Health Services (p. 78)
- Student Housing (p. 79)
- Student Publications (p. 79)
- Study Abroad (p. 79)
- Success Team (SRJC Petaluma) (p. 79)
- Transfer Center (p. 79)
- Tutorial Center (p. 81)
- Veterans' Benefits (p. 81)
- Welcome & Connect Center (p. 82)
- Work Experience (p. 82)

Bookstores

About Us

The campus bookstores operate on both the Santa Rosa and Petaluma campuses. The Bookstore offers new, used, rental, and digital ebook textbooks, as well as reference and general reading titles. In addition to textbooks, the stores carry a wide selection of school and office supplies. The Bookstore also carry sundries, snacks, gifts, clothing, a wide selection of calculators, software at discounted educational pricing, among other items.

In all areas of the Bookstore there is a commitment to provide quality and convenience.

Students may also purchase or rent their textbooks and selected merchandise online on the Bookstore website at www.santarosa.edu/bookstore (http://www.santarosa.edu/bookstore) for home delivery or in-store pickup.

During the school year the normal refund policy of two business days applies to general merchandise except electronics, software, course readers, study aids or sale items; which are nonreturnable.

Textbook Buybacks

To provide the largest number of used texts possible, the Bookstore buy back textbooks year-round. More money will be given if the book is used the following semester, no matter where you bought the book.

Bookstore Refund Policy

At the beginning of every semester (fall and spring) a student will have one week from the first day of classes to return any textbook purchased that semester for a full refund, provided they have original receipt and the book is in the same condition as when purchased. The closing date for full refunds is posted in both stores, on the Bookstore website, and on receipts every semester.

Location and Hours of Operation

At the Santa Rosa campus, the Bookstore is in Pioneer Hall on Burbank Circle. At the Petaluma campus, the Bookstore is in Building 400.

The Santa Rosa Bookstore hours are found at: https://www.bkstr.com/santarosastore/store-hours

The Petaluma Bookstore hours are found at: https://www.bkstr.com/santarosa-petalumastore/store-hours

See the Bookstore's website for extended rush hours during the start and end of each semester.

Contact Us

Website: www.santarosa.edu/bookstore (https://srjc-catalog.santarosa.edu/college-community/bookstores/ www.santarosa.edu/bookstore/)

Email: bookstore@santarosa.edu

Santa Rosa Bookstore: Phone (707) 527-4321, Fax 524-1827; 222 Elliott Avenue, Santa Rosa, CA 95401

Petaluma Bookstore: Phone (707) 778-3902, Fax 778-3992; 680 Sonoma Mountain Parkway, Petaluma, CA 94954

CalWORKs

The CalWORKs Program at Santa Rosa Junior College (SRJC) supports parenting students who are participating in welfare-to-work programs through county partnerships, including SonomaWORKS and other county Human Services Employment and Training programs. Students eligible for the program receive Temporary Assistance for Needy Families (TANF) and are working toward their educational and career goals.

CalWORKs students at SRJC have access to dedicated academic counseling, priority registration—which allows students to be the first to register for classes—and ongoing, individualized support throughout their time at SRJC. The program also offers workshops and resources designed specifically for parenting scholars, helping to build community and support academic success.

Through partnerships with participating counties, students may receive financial assistance from their county for books, supplies, childcare, and transportation while enrolled and participating in approved activities. These supports are intended to reduce barriers and help students stay focused on their education and long-term goals.

Students are also eligible to participate in CalWORKs Work-Study, which provides paid, career-related work experience both on and off campus. Additional employment services are available to support job readiness, career exploration, and job placement as students approach completion of their educational programs.

Students who are currently receiving public assistance—or who may be eligible—are encouraged to connect with the CalWORKs office to learn more about available services and support.

For more information, please contact the CalWORKs office at (707) 527-4383 or visit: **http://calworks.santarosa.edu/**.

Campus Tours

Campus Tours are available to the community throughout the academic year. Campus Tours feature an outdoor walk around campus, with stops at various facilities to learn about college culture, academic programs, and student support services at SRJC.

All tours require a reservation in advance and are subject to availability.

Individual Tours

Individual Tours are provided by the Office of Student Life, Equity & Engagement (https://studentlife.santarosa.edu/) and the Petaluma Welcome & Connect Center (https://petaluma.santarosa.edu/welcome) to the community for free. Individual Tours require a reservation made at least one week in advance and are not provided on Holidays or during Finals Week.

SRJC Santa Rosa: Individual Tours of the Santa Rosa campus are available Monday through Friday during the Fall and Spring semesters, and Monday through Thursday during Summer Session. If you have any questions or would like to reserve an individual tour of the Santa Rosa campus, contact the Office of Student Life, Equity & Engagement (https://studentlife.santarosa.edu/) at (707) 527-4424 or srjcstudentlife@santarosa.edu.

SRJC Petaluma: Individual Tours of the Petaluma campus are available Monday through Thursday during the academic year. If you have any questions or would like to reserve an individual tour of the Petaluma campus, contact the Petaluma Welcome & Connect Cente (https://petaluma.santarosa.edu/welcome)r at (707) 778-4141 or petalumawelcome@santarosa.edu.

For more information about Individual Tours, visit: https://studentlife.santarosa.edu/campus-tours

Group Tours

Group Tours of the Santa Rosa Campus are provided by Student Outreach (https://outreach.santarosa.edu/). Complimentary Group Tours for K-12 schools or community groups serving future SRJC students are available Monday through Friday by appointment, subject to availability. Group tours for schools and non-profit agencies require a reservation at least one month in advance. Group Tours are not scheduled during breaks between semesters, the first week of classes, Finals Weeks, on Holidays, or Fridays in June and July.

If you have any questions or would like to reserve a Group Tour, visit: https://outreach.santarosa.edu/campus-tours

Career Hub

The Career Hub brings together Career Development and Job Development, Work Experience, Internships and Community Engagement services in one location.The goal of the Career Hub is to provide a one-stop center to address students' career needs. Students can schedule an appointment to meet with our professionals who can address many of their questions. Our services range from career exploration, job hunting assistance (both on campus and off), college credit for working in paid positions and internships, and college credit for volunteer opportunities. Please see our individual links to the above services for additional information.

For more information, contact:
SRJC Career Hub
Bertolini Student Center (3F) Room 4842
Hours: **Mon-Thu** 8:00 am - 5:00 pm, FRI 8:00 am - 12:00 pm (Closed **Fri** during Summer)
Web: careerhub.santarosa.edu (https://careerhub.santarosa.edu)
Email: careerhub@santarosa.edu
Phone: (707) 527-4329

Children's Center

Santa Rosa Junior College Children's Center operates a developmentally appropriate program primarily for the children of students subsidized for care services. Limited availability for full cost care for staff, faculty, and community members. The center also serves as a model demonstration program/lab school for students studying Child Development and as an on-campus teacher training site. The program is funded by the California Department of Education, the Sonoma County Junior College District, and the California Department of Social Services.

The guidelines for subsidized care are established by the California Department of Education and the California Department of Social Services. Fees for subsidized spots, when applicable, are based on a

sliding scale. Enrollment priorities can be found on the Children's Center website. Nonsubsidized openings are based on a fee scale.

Located in the Robert Call Child Development Center facility on the Santa Rosa Campus, the center serves approximately 75 children ages six months to five years. The program follows the academic calendar.

The program features environments that are child centered, allowing children freedom and independence to choose their play materials. Young children learn through play and exploration. We provide a nurturing and safe environment while respecting diverse family backgrounds and accommodating many different learning styles. Additionally, the center follows the philosophies the Program for Infant Toddler Care and Teaching Pyramid. Breakfast and lunch served daily.

For more information call (707) 527-4224, email childrenscenter@santarosa.edu, or visit childrenscenter.santarosa.edu (https://childrenscenter.santarosa.edu/)

Community Engagement

Community Engagement courses enable students to earn CSU transferrable units for volunteering in the community. Other benefits include: improved communication, leadership, and teamwork skills, potential to identify future job/career, great for college applications, ability to learn more about yourself, resume builder, GPA booster, and providing a rewarding experience for giving back to the community.

Students may volunteer at a variety of placements including animal care facilities, clinics, day care centers, hospitals, recreation programs, senior centers, schools, and other various non-profit organizations. SRJC Note takers and students needing to shadow in a designated field of study may also participate in these courses.

If a student is interested in enrolling in a Community Engagement course, they must first meet with the Community Engagement Coordinator in the Work Experience Department. The coordinator will assist the student in selecting a volunteer site (if needed), review course expectations and provide an add code for enrollment. Please call to schedule an appointment with the Community Engagement Coordinator.

Santa Rosa Campus
Bertolini Student Center,
3rd floor, Room 4842
(707) 527-4329
Business Hours: M-Th 8:00 am to 5:00 pm
Friday 8:00 am to noon
*Closed Fridays during summer semester

Petaluma Campus
Student Center, Building 500 (by appointment only)
(707) 527-4329

Counseling Services

The mission of the Counseling Department at Santa Rosa Junior College is to provide counseling, instruction, and services that assist individuals in attaining their educational, career training, and personal/life goals. The Counseling Department promotes and supports diversity of culture and learning, and, as an integral part of the educational community, seeks to enhance the lives of those who participate through its programs and enroll in our courses.

Counselors are available on a drop-in and appointment (when available) basis both in person and remotely by phone or Zoom. Counselors will develop long-term academic plans, determine progress toward or eligibility for transfer and/or graduation, or assist in completing petitions, etc.

Drop-in is first come, first served with the counselor available at that time. Students can request specific counselors.

Due to a large number of students, there are certain times of the academic year when counseling is busy. We usually see an increase in traffic and wait times in January and August before school starts for the next semester, as well as April and November before priority registration. During this high peak time, the wait may be one to two hours. To avoid the wait, see a Counselor during our non-peak times: February through end of March and September through end of October. Visit our website for most up to date information: https://counseling.santarosa.edu/

To avoid the lengthy wait and rushed atmosphere, students should plan ahead and earn Early Bird Priority 3 registration. To plan for the next semester, be sure to see a Counselor during their non-peak times to receive Early Bird priority before the deadline to do so. More information can be found on the Early Bird deadline, as well as priority registration status, by visiting the Academic Calendar webpage: https://admissions.santarosa.edu/academic-calendar.

Academic Counseling

Counselors help students clarify their goals and provide accurate and timely information about Career Education programs and transfer and degree requirements. New students are strongly encouraged to meet with a counselor to create an Education Plan. Continuing students should continue to meet with a counselor at regular intervals to evaluate and adjust their Education Plan. While creating an Education Plan, students and counselors will consider educational options together, review requirements, and select appropriate courses and/or options.

Career Counseling

Counselors also assist students in the career planning process. This may include exploring interests, values, and goals; researching and reviewing career options; planning appropriate courses to achieve goals; and referring to services, resources, and career development courses. To make an appointment with a Career Counselor, visit the Career Hub's website at: https://careerhub.santarosa.edu/ or call the Career Hub office at 707-527-4329.

Personal Counseling

Counselors can assist students in exploring personal concerns and life circumstances that may be affecting academic performance. Counselors will refer students to Student Psychological Services in Student Health Services for ongoing personal counseling or to intervene in crisis situations.

Santa Rosa Campus: Bertolini Student Center, (707) 527-4451. Petaluma Campus: Kathleen Doyle Hall, Room PC 216, (707) 778-3914. For further information, visit: http://counseling.santarosa.edu/

Dental Hygiene Clinic

SRJC's Dental Hygiene Clinic is located on the first floor of the Race Building. The clinic is open to students and the community for dental hygiene services, including regular cleaning, deep cleaning

with pain management, fluoride treatment, x-rays, and sealants. For further information and appointments, visit our website at dentalprograms.santarosa.edu (https://dentalprograms.santarosa.edu/) or call (707) 522-2844.

Disability Resources Department

The Disability Resources Department (DRD) facilitates equal access for qualified students to community college education through services, academic accommodations and educational assistance courses in accordance with state and federal law. Students with verified disabilities are encouraged to request services through this department. DRD serves students with a variety of disabilities, including, but not limited to: physical, sensory, learning, mental health, intellectual, chronic health and temporary disabilities. Services include specialized academic advising focusing on individual abilities and limitations, disability management, and access technology. Qualified students may be authorized to receive academic accommodations including extra time for exams, mobility assistants, sign language interpreters or note takers. Limited learning disability evaluations may be available to students who are enrolled in a program of study at Santa Rosa Junior College. See schedule of classes for DRD course offerings.

Santa Rosa Campus: Bertolini Student Center, 3rd floor (707) 527-4278.

Petaluma Campus: , Richard Call Building 600 (707) 778-2491.

Hours: Monday – Thursday 8:00 am - 5:00 pm and Friday 8:00 am - 12:00 pm.

For more information visit https://drd.santarosa.edu/.

Access Technology Center

The Access Technology Center (ATC) provides referral-based assessment and instruction in the use of access technology and alternate media for students with physical, sensory, learning and cognitive disabilities at both the Santa Rosa and Petaluma campuses. The ATC also provides computer access utilizing adapted hardware and software for students with disabilities in SRJC district computer labs and public access locations. For more information, contact (707) 527-4890.

Adapted Physical Education

The Adapted P.E. Program offers a variety of exercise classes (swimming, water exercise, weight training, and functional movement) for students with physical limitations. Instructors help students develop personalized exercise programs. If one-to-one assistance is needed to participate in class (including getting on and off machines, dressing for swimming, restroom assistance, etc.) it is the student's responsibility to provide an attendant for this. For more information, call (707) 527-4470.

College to Career Program

The College to Career (C2C) program is designed to help students with intellectual disabilities and/or autism obtain employment in the community and in the career area of their choice. C2C is a three-year program culminating in competitive paid employment in Sonoma County for participating students. Serving three cohorts of 20 students annually, C2C is designed to meet the unique needs of students who are challenged with intellectual disabilities and/or autism in postsecondary education and the workforce. C2C is a cooperative program with the California Department of Rehabilitation. As enrollment is limited, admission is competitive. Students who seek admission to C2C are required to submit an application and attend an interview with our C2C Coordinator. Applications and information about the selection process are available on our website.

Support for Veterans

Returning veterans who experience hearing loss, acquired brain injury, post-traumatic stress, physical disability, or are experiencing difficulty due to other disabilities are encouraged to utilize the support services of the Disability Resources Department. A Disability Specialist/Counselors is available in the Veteran's Affairs Office for confidential consultation.

Transition to College Program

Transition to College (TC) is an outreach effort through the Disability Resources Department designed for graduating high school seniors with verified disabilities who plan to attend SRJC. Qualified students will learn about services from DRD; complete the SRJC application and orientation, take EMLS placement exams with accommodations, create an education plan and are eligible for priority registration. See our website for additional details.

Distance Education and Online Learning at SRJC

Santa Rosa Junior College offers a wide variety of online courses as well as online certificates and degrees. Online courses provide an alternative to in-person instruction and allow students to access learning any time anywhere with computers or mobile devices that have access to the Internet. All courses are taught by SRJC faculty, and all units, certificates, and degrees are awarded by SRJC. Online learning courses have the same rigor and quality as other classes at the College, but the methods of instruction are customized to the online environment.

Distance Education at Santa Rosa Junior College (https://de.santarosa.edu/), hosts courses in a variety of modalities including Face-to-face, Partially Online, Online Synchronous, Online Asynchronous, and Hyflex. Definitions for each modality can be found on the Modalities webpage (https://classes.santarosa.edu/modalities). All distance education classes at SRJC include regular and substantive interactions between instructor and students as well as rigorous student authentication systems.

The Distance Education Department assists faculty with the creation and maintenance of online classes and instructional materials. The vision for Distance Education supports the overall mission of SRJC with a strong commitment to student learning and success through:

- High quality, student-centered, interactive learning experiences in all distance education classes.
- Collaborative and interdisciplinary approaches to learning that help students develop meaningful and relevant connections in their lives.
- Pedagogy which encourages critical and independent thinking and is responsive to a spectrum of learning styles.
- Flexibility in the scheduling of course offerings to meet student needs.
- Up-to-date and accessibility-compliant delivery formats which equip all students to be successful in an ever-changing technological

environment. Online and hybrid courses are assessed regularly to ensure accessibility to persons with disabilities.

For more information about Distance Education and Online Learning, please visit: https://de.santarosa.edu/

District Police

The District Police Department operates 24 hours a day, 365 days a year, and is a fully certified police department in the state of California. The department prides itself in its community-oriented approach to policing and law enforcement. It is responsible for serving and protecting all persons and property on or about the campuses and property of the Sonoma County Junior College District. In addition to investigating crimes and enforcing laws, the department also provides crime prevention and personal safety programs throughout the District. The main police department is located at 2032 Armory Drive, Pedroncelli Center on the Santa Rosa Campus. The department maintains a small substation on the Petaluma Campus in Carole L. Ellis Auditorium, Room PC 305.

For further information about services and the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, see the Police Department Web site at http://police.santarosa.edu/ or call Police Dispatch at (707) 527-1000.

Dream Center

The Undocu · Immigrant · Dream Center aims to be a source of information, support and provides services for all undocumented students, Deferred Action for Childhood Arrivals (DACA), Temporary Protective Status (TPS) recipients, U nonimmigrant status (U Visa) and Temporary nonimmigrant status (T Visa) holders, refugees, asylum seekers, mixed-status families, students with pending immigration cases, and individuals with other immigration statuses at Santa Rosa Junior College. The Undocu · Immigrant · Dream Center is committed to provide the most dynamic services, in order to facilitate the empowerment of our students, by addressing their unique questions and providing uplifting programming.

The Undocu · Immigrant · Dream Center aspires to serve current and prospective students from diverse immigrant backgrounds, regardless of age, so they may:

- Achieve their academic and career goals.
- Create community.

The Undocu · Immigrant · Dream Center aims to provide guidance in:

- The matriculation process - including enrollment services, financial aid and scholarship programs.
- Academic counseling referral
- Student Psychological Services referral to bilingual therapist
- Student services
- Career opportunities
- Transfer process
- California nonresident tuition exemption request forms (AB540/SB68 forms)
- Enrollment verification letter of non-credit courses for DACA applicants
- and many other forms of support

VIDAS Law Services partners with the Undocu · Immigrant · Dream Center to provide students with:

- Legal guidance and consultation with embedded immigration attorney and paralegal
- Free legal immigration services to all SRJC students and employees

For more information, please visit: https://dream.santarosa.edu or call 707-521-7947 at SRJC Santa Rosa and 707-778-4177 at SRJC Petaluma.

Extended Opportunity Program and Services (EOPS)

The EOPS Program assists low income and educationally disadvantaged full-time students to achieve their academic goals at Santa Rosa Junior College through a variety of support services that include outreach, orientation, bilingual assistance in Spanish, early registration, counseling, advocacy, transfer guidance, and book awards. The EOPS Program aims to create an environment that is responsive to the needs of students and supportive of cultural diversity throughout the college community.

CARE (Cooperative Agencies Resources for Education)

The CARE program offers additional assistance such as grants, book awards, and workshops for parenting students in EOPS who also meet the following eligibility criteria:

- Be eligible for EOPS Services
- Be eligible for TANF, CalWORKs, or SonomaWORKs cash aid
- Be a single head of household
- Be 18 years or older
- Have a child 18 years old or younger.

For more information, call (707) 527-4383 or visit **https://eops.santarosa.edu/**

Bear Cub Scholars Foster Youth Support Program

The Bear Cub Scholars Program (formerly known as NextUp) provides services to current or former foster youth attending Santa Rosa Junior College. Our mission is to empower our students by providing them with the support they need to reach their academic goals. We offer academic counseling, financial assistance, and educational resources to encourage a successful and enriching college experience for all of the students we serve.

To qualify:

• You must have been in foster care, a group home, kinship, guardianship, or another type of out-of-home placement for at least one day during your life.

• Be enrolled in a minimum of 3 for credit academic units and be working toward being enrolled in 9 for credit academic units.

• Experienced an out of home placement.

Assistance offered to most students:

• Academic counseling

• Help with purchase of books and school supplies

• Helpful, fun, and enriching workshops

• A supportive community, including your peers

• Financial assistance

• Laptop, wi-fi hotspot and other technology services needed to be successful

• Much more! To find out more about our programs, visit https://eops.santarosa.edu/foster-youth-services.

Financial Aid

Financial aid may be available for expenses that are directly related to attending college when these costs are more than students, or their families can afford. The eligibility for most financial aid is based on financial need, which is determined by the Financial Aid Office, from information submitted by the student and/or family on the Free Application for Federal Student Aid (FAFSA) or California Dream Act Application (CADAA). Students are urged to complete applications by March 2 prior to each academic year, although FAFSAs are the FAFSA and CADAA are accepted, and most aid is available, until the following spring. Applicants must also show demonstrate satisfactory academic progress (https://financialaid.santarosa.edu/sap) and be enrolled in an eligible program toward transfer, a certificate, or a degree objective. Certificate programs must be 16 or more units in length to be eligible for financial aid.

General information about grants and loans is available in the Financial Aid Office. Various dollar amounts shown and regulations regarding financial aid are subject to change without notice due to governmental, state, and local requirement changes.

Financial Aid Eligibility

Not all SRJC certificate programs are eligible for purposes of federal financial aid payments. To be considered eligible, a program must be a minimum of 15 weeks and 16 units in length, must have secured Chancellor's Office approval prior to the term of aid being paid, and must be included on SRJC's Federal Aid Program Participation Agreement.

California College Promise Grant Fee Waivers

The California College Promise Grant (CCPG) Fee Waiver, available to eligible students, will waive your per unit enrollment fee at any California community college throughout the state. Students who are residents of California should complete the FAFSA to be automatically reviewed for CCPG fee waiver eligibility. Out-of-state and exempt students can also file a FAFSA and will be reviewed for eligibility

Students who have an AB540 waiver approved by the SRJC Admissions and Records Office, and students who are foreign and exempt, can file a California Dream Application: https://financialaid.santarosa.edu/dream-act for review of CCPG fee waiver eligibility.

CCPG Fee Waiver Changes Effective Fall 2016

Minimum requirements for maximum success.

Whether you want to move into a career or move on to a four-year university, California community colleges want to help you achieve your educational goals. Once you've qualified for the CCPG Fee Waiver, it's important to ensure that you're meeting the academic and progress standards in order to avoid losing it.

Academic - Sustain a GPA of 2.0 or higher

If your cumulative GPA falls below 2.0 for two consecutive primary terms (fall/spring semesters, or fall/winter/spring quarters), you may lose your fee waiver eligibility.

Progress - Complete more than 50 percent of your coursework

If the cumulative number of units you complete is not more than 50 percent in two consecutive primary terms (fall/spring semesters, or fall/winter/ spring quarters), you may lose your fee waiver eligibility.

Combination of Academic and Progress Standards

Any combination of two consecutive terms of cumulative GPA below 2.0, and/or cumulative unit completion of not more than 50 percent may result in loss of fee waiver eligibility.

How will I know?

You'll be notified within 30 days of the end of each term if you are being placed on either academic (GPA) and/or progress (course completion) probation. Your notification will include the information that a second term of probation will result in loss of fee waiver eligibility. After the second consecutive term of probation, you may lose eligibility for the fee waiver at your next registration opportunity.

How to regain eligibility

If you lose eligibility for the CCPG Fee Waiver, there are a few ways that you can have it reinstated:

- Improve your GPA or course completion measures to meet the academic and progress standards
- Successful appeal regarding extenuating circumstances
- Successful appeal based on significant academic improvement
- Not attending your school district for two consecutive primary terms (fall/spring semesters, or fall/winter/spring quarters) The appeals process for extenuating circumstances includes:
- Verified accidents, illness or other circumstances beyond your control
- Changes in economic situation
- Evidence of inability to obtain essential support services
- Special consideration factors for CalWORKs, EOPS, DSPS and student veterans
- Disability accommodations not received in a timely manner. If you have questions or need assistance, please contact the financial aid office or registrar at your college.

Please note that foster youth and former foster youth (age 24 years and younger) are not subject to loss of the CCPG Fee Waiver under these regulations.

For more information about the CCPG Fee waiver visit: http://www.icanaffordcollege.com/

Federal Pell Grants

Pell Grants are federal grants to assist low and middle-income students who are enrolling in any number of units. Awards are initially granted based on full-time enrollment but will be pro-rated for students who enroll in less than 12 units.

FSEOG

Federal Supplemental Educational Opportunity Grants are another form of federal grant for the exceptionally financial needy and are given to the lowest income students. FSEOG grants vary.

EOP&S

Extended Opportunity Program and Service Book Vouchers are for full-time students who are educationally disadvantaged and eligible for CCPG fee waiver A or B. Other services include priority registration, book awards, and counseling. Visit http://eops.santarosa.edu/

Cal Grants

These are state grants that are awarded by the California Student Aid Commission and paid through the College. There are several types of Cal Grants, including Cal Grant A, B and C. Eligibility is based on financial need and GPA. The deadline to apply is March 2 prior to the year of enrollment for all California colleges and September 2 for all California Community Colleges.

Chafee Grant

Up to $5,000 per year is available for former foster youth who are California residents. They must have remaining financial need and meet certain age and Independent Living Program (ILP) requirements.

Federal Work-Study

The Federal Work-Study (FWS) program Federal Work-Study is a form of financial aid that provides FAFSA filing students an opportunity to work part-time to earn funds to help pay for college expenses. To be considered for a Federal Work-Study award, FAFSA filing eligible students must submit their application by the priority deadline of March 2nd. Students with financial need who submit by this deadline and meet Satisfactory Academic Progress (SAP), can be awarded the opportunity. Students interested in FWS positions are encouraged to seek assistance with the Student Employment Office.

Federal Direct Loans

Federal Direct Loans are funds that a student may borrow from the federal government to help with tuition, books and supplies, and other college expenses. Students must be enrolled at least half time in an eligible program of study, and must apply using the FAFSA and the SRJC Loan Request Form. Loan repayment begins when a student's enrollment falls below half-time (6 units).

Scholarships

For information about scholarships, see Section 5.

Related information can also be found in this Catalog under "Scholarships," "Tuition," "Employment," and "Extended Opportunity Program and Services."

More information about financial aid programs and policies can be found on the Financial Aid web pages or from the Financial Aid Office, Plover Hall, Santa Rosa Campus. Hours are Monday–Thursday, 8:00 am–5:00 pm and Friday, 8:00 am–1:00 pm. Call (707) 527-4471 or visit http://financialaid.santarosa.edu (http://financialaid.santarosa.edu/)

Forensics Team

Forensics offers students the opportunity to develop, refine and master communication and performance skills, either as a communications class (Comm 52 or Comm 2) or through independent study. We mentor new speakers and guide seasoned competitors. SRJC has a 100-year history of developing first-time speakers and encouraging them to join the team. Students on the team travel to intercollegiate tournaments locally and across the state and even nationally. So, if you like to argue, convince, act or perform or if you want to debate or advocate, join us. Further information is available via this link: **https://comm-studies.santarosa.edu/forensics-public-performance-and-intercollegiate-speech-and-debate**

Foster Youth Programs

The Bear Cub Scholars Program (formerly known as NextUp and Guardian Scholars) provides services to current or former foster youth attending Santa Rosa Junior College. Our mission is to empower our students by providing them with the support they need to reach their academic goals. We offer academic counseling, financial assistance, and educational resources to encourage a successful and enriching college experience for all of the students we serve.

To qualify:

• You must have been in foster care, a group home, kinship, guardianship, or another type of out-of-home placement for at least one day during your life.

• Be enrolled in a minimum of 3 for credit academic units and be working toward being enrolled in 9 for credit academic units.

• Experienced an out of home placement.

Assistance offered to most students:

• Academic counseling

• Help with purchase of books and school supplies

• Helpful, fun, and enriching workshops

• A supportive community, including your peers

• Financial assistance

• Laptop, wi-fi hotspot and other technology services needed to be successful

• Much more! To find out more about our programs, visit https://eops.santarosa.edu/foster-youth-services.

Gallery and Museum

Robert F. Agrella Art Gallery

The Robert F. Agrella art gallery serves as a resource to develop an appreciation and understanding of the visual arts. As an extension of the educational program of the Art Department, the gallery serves both the Santa Rosa Campus and community through its series of exhibits, informational brochures, and lectures. The gallery presents works of

excellence in many media with an emphasis on artists not generally seen in this area.

Located on the first floor of the Doyle Library, the gallery is readily accessible during its scheduled exhibits. Please visit our website for hours of operation: https://art-gallery.santarosa.edu/

Santa Rosa Junior College Multicultural Museum

The Santa Rosa Junior College Multicultural Museum serves to promote awareness and appreciation for, and communicate the beauty and uniqueness of native cultures of the world. Changing exhibits feature both traditional and contemporary art and technology of Native Americans, as well as Latinx, Asian, Oceanic, and African cultures. The Elsie Allen Family Collection of Pomo basketry is always featured. The Museum offers self-guided tours to community and educational groups. Traditional dances and informative lectures are sponsored during the school year.

The museum is an integral part of the Native American Studies and Anthropology curricula of the Behavioral Sciences Department.

The SRJC Multicultural Museum is housed in Bussman Hall north of the Administration Building.

Please visit our website for current hours, online exhibits, and tour information: https://museum.santarosa.edu/

Health Sciences

William B. Race Health Sciences Building

The William B. Race Health Sciences Building houses Health Sciences programs. It provides state-of-the-art instructional facilities for SRJC's Health Sciences Programs: Medical Assistant, Nurse Assistant, Radiologic Technology, Associate Degree in Nursing (RN), Dental Assistant, Dental Hygiene, Nutrition & Dietetics, Certified Dietary Manager and Pharmacy Technician.

The building houses a 30-bed nursing skills laboratory, an ambulatory skills laboratory with exam rooms, a fully operational digital X-ray unit for training Radiologic Technologists, and a pre-dental clinic laboratory. The Allied Dental Health Programs' state-of-the-art clinic is where all SRJC students, faculty, and community members are welcome to receive low-cost dental x-rays and cleanings. Oral health plays an important role in your general health and wellness. Our students are happy to provide these services. Appointments may be scheduled by calling (707) 527-2844.

The Health Learning Resource Center (HLRC) serves the health education needs of Santa Rosa Junior College students. The 30-station educational technology supports the Health Sciences Programs including standardized testing required for State and National Licensing.

The William B. Race Health Sciences building is truly an asset to both Santa Rosa Junior College and the community. For information about the Health Sciences Department, call (707) 527-4272 or visit https://healthsciences.santarosa.edu/.

High School Career Pathways to SRJC

In partnership with local high schools, SRJC helps connect high school Career Pathways to college Career Education (CE) programs to give students a head start on college and careers. Career Pathways are coherent sequences of high school Career Education (CE) courses that prepare students for careers and continued education. Many feature articulation with like SRJC courses. Articulation is the alignment and comparability of coursework between two levels of education, such as high school and community college. It is established through discipline specific faculty-to-faculty collaboration. For example, SRJC Automotive Technology instructors meet with their high school counterparts to confirm that concepts and skills being taught in the high school Automotive Technology courses are comparable to those of the College. Once the determination is made that coursework is sufficiently similar, formal articulation agreements are established. Students successfully completing the articulated high school courses have opportunities to earn college credit.

Benefits of Articulation: Students earn a head start on college and their careers, saving time and money by skipping redundant coursework in which they've already demonstrated mastery. CE faculty collaborate, share resources, conduct joint industry advisories, and update and align curriculum, which provides students with relevant career skills and a smooth transition to postsecondary and career success.

https://ce.santarosa.edu/

High School Equivalency Program (HEP)

The High School Equivalency Program (HEP) helps migratory and seasonal farmworkers (or children of such workers) who are 17 years of age or older and not currently enrolled in school to obtain the equivalent of a high school diploma and, subsequently, to gain employment or begin postsecondary education or training. The program serves more than 5,000 students throughout the nation annually. HEP is funded through a grant from the U.S. Department of Education, Office of Migrant Education. https://hep.santarosa.edu (707) 527-4978.

Hispanic Serving Institution

Santa Rosa Junior College is proud to be a Hispanic-Serving Institution (HSI), a designation awarded by the U.S. Department of Education to colleges and universities where at least 25% of full-time undergraduate students identify as Hispanic. Designated as an HSI in 2014, SRJC today serves a student population in which approximately 42% self-identify as Latine. As an HSI, SRJC is committed to expanding educational opportunity, supporting student success, and creating pathways that empower students to achieve their academic, career, and personal goals. This designation reflects the College's dedication to equity, inclusion, and serving the diverse communities of Sonoma County and beyond.

Honor Societies

Alpha Delta Nu

To promote scholarship and academic excellence in the profession of nursing, the Organization for Associate Degree Nursing (OADN), has

established the Alpha Delta Nu Honor Society and has made provisions for the establishment of Institutional Honor Society Chapters.

The objective of the OADN Alpha Delta Nu Nursing Honor Society shall be to recognize the academic excellence of students in the study of Associate Degree Nursing. The society shall encourage the pursuit of advance degrees in the profession of nursing as well as continuing education as a life-long professional responsibility. Additionally, the society shall participate in the recruitment of qualified individuals into the profession of nursing. Associate Degree in Nursing students who are enrolled in their second semester of the program are invited to apply if all required qualifications are met.

Alpha Gamma Sigma (AGS)

Alpha Gamma Sigma is the statewide California Community College scholastic honor society. The purpose of Chapter Theta at Santa Rosa Junior College is to promote and recognize scholarship, to develop programs of cultural and social enrichment, to promote service to the College and to the community, and to emphasize the development of leadership, character, and judgment.

Lambda Nu (LN)

Lambda Nu (LN) is a national honor society for the radiologic and imaging sciences.

The mission of the California Epsilon Delta Pi chapter of Lambda Nu chartered in 2016, is to:

- Foster academic scholarship at the highest academic
- Promote research and investigation in the radiologic and imaging sciences;
- Recognize exemplary scholarship.

Lambda Nu's name is derived from the lower case Greek characters in the formula ln, which represents the physics of the inverse relationship between wavelength and frequency an essential parameter across the diversity of modalities comprising the professions. Lambda Nu uses the upper case Greek characters Lambda and Nu to represent the inverse relationship and delicate balance required between the art and the science inherent in the radiologic and imaging sciences.

Membership in the California Epsilon Delta Pi chapter of Lambda Nu is limited to full-time Santa Rosa Junior College radiologic technology students who have an overall GPA of 3.0 or higher after one full semester in the radiologic technology program.

National Society of Leadership and Success (NSLS)

The National Society of Leadership (NSLS) and Success is the nation's largest leadership honor society. Students of the NSLS chapter at SRJC Petaluma are selected for membership based on academic standing, leadership potential, and leadership achievement. Candidacy is a nationally recognized achievement of honorable distinction. Membership is for life and provides access to benefits including scholarships and awards, exclusive on-campus events, employer recruitment through an online job bank, discounts on computers, textbooks, grad school prep courses, insurance and much more. Inducted members complete a leadership program consisting of the Orientation, a Leadership Training Day, three Speaker Broadcasts, three Success Networking Team meetings, and an Induction Ceremony where they receive their Certificate of Leadership Training. For more information go to https://petaluma.santarosa.edu/petaluma-nsls-chapter-info.

Phi Theta Kappa (PTK)

Phi Theta Kappa is an internationally renowned two-year college honor society. The mission of the Beta Gamma Delta chapter of Phi Theta Kappa, chartered in 1995, is to recognize, support, promote, and reward those students who maintain a standard of academic excellence.

The goals of Phi Theta Kappa are to support any student who is trying to achieve academic excellence, to encourage all students to set high standards for themselves, to provide a forum in which those students may find a sense of community, to bring a body of talent and skill to the task of improving our larger community and, to represent Santa Rosa Junior College to the best of students' ability by upholding the Phi Theta Kappa hallmarks of "Scholarship, Leadership, Fellowship, and Service." A student must have a 3.5 GPA in order to be inducted. Inquiries pertaining to either society should be made at the Student Affairs Office.

Hope Program

Program Description

The SRJC HOPE (Health Occupation Preparation Education) Program is dedicated to advancing the success of underrepresented and first-generation students pursuing health care careers. We foster a sense of belonging by expanding diversity, equity, and inclusion in healthcare education through mentorship, workforce development, academic support, and social emotional well-being. We empower students to become leaders who positively impact their communities.

Services

The HOPE Program provides the following services:

- Specialty Program Scholarships for students currently enrolled in their respective health sciences program or confirmed for transferring to a 4-year university to continue to pursue their health sciences degree/career.
  - For HOPE students who meet 2 of the following requirements: first-generation, economically disadvantaged, students using Disability Resources Department (DRD) services.
  - All Scholarships will continue to be available as funding allows.
- Student Supply Scholarships
  - For HOPE students who meet 2 of the following requirements: first-generation, economically disadvantaged, students using Disability Resources Department (DRD) services.
  - All Scholarships will continue to be available as funding allows.
- Health Sciences Informational Workshops
- Workforce Development Workshops
- Academic Support Workshops
- HOPE Tutoring Services in Anatomy, Nursing A Semester, and Nursing B Semester.
- HOPE Lending Library containing books from the GE Breadth, Health Sciences Programs (ADN, CNA, MA, etc), entrance exam study books (TEAS, NCLEX, DTA, etc).
- HOPE Center Services which includes study space, snacks, coffee, tea, computers, community events, etc.
- HOPE Study Room which contains Anatomy Models for all students to use in the study room and most tutoring is held here.

- General Student Supplies
- Student Success Case Management to support with time management, study skills, financial aid, applications, transferring, workforce development, SRJC resources, community resources, etc.
- Academic Counseling Hours
- DRD Office Hours

The HOPE Program may also provide individualized counseling for personal, career, and academic information, activities, and instruction designed to acquaint students with career options; exposure to cultural events and academic programs not usually available.

Email: hopecenter@santarosa.edu

Phone: 707-524-1824

Visit the HOPE Center!

Lindley Building, Room 151, First Floor

Visit the HOPE Staff Office!

Lindley Building, Room 248, 2nd Floor

Visit the HOPE Study Room!

Lark Hall, Room 2088

Intercollegiate Athletics

The Kinesiology, Athletics and Dance Department offers student-athlete participation on 19 intercollegiate athletic teams, serving approximately 500 student-athletes each year. The College belongs to the Northern California Football Association in Football and the Big 8 Conference for all other sports. Santa Rosa Junior College offers the following sports, as shown in the table below:

Men's Teams	Women's Teams
Baseball	Basketball
Basketball	Cross Country
Cross Country	Soccer
Football	Softball
Soccer	Swimming/Diving
Swimming/Diving	Water Polo
Water Polo	Track/Field
Track/Field	Volleyball
Wrestling	Wrestling
	Beach Volleyball

SRJC abides by the rules and regulations as set forth in the California Community College Athletic Association's (3C2A) Constitution and Sport Guides, the Big 8 Conference Constitution and Sport Supplements, and the Northern California Football Association Constitution and Supplement. The Athletics Director and the Dean of Admissions and Records determine all athletic eligibility.

The Athletics Director and the Vice President of Academic Affairs monitor the integrity of the intercollegiate athletic program regarding rules, compliance, eligibility, and competitiveness. The athletic academic counseling staff consists of several identified counselors who understand the special needs of student athletes for eligibility and transfer. Periodic reports on attendance and class progress are requested from each student athlete's instructors. These reports are reviewed by the respective coaches, the Athletics Director, and, when indicated, the Athletics Counselors.

Any prospective student desiring information regarding athletic participation at Santa Rosa Junior College should make contact with the Kinesiology, Athletics and Dance Department. Contact may be established via the Athletics web page at: http://srjcathletics.com/prospective_athletes/first_contact_form

Office hours for the department are Monday through Friday from 8:00 am until 5:00 pm. The office phone number is (707) 527-4237. The office fax number is (707) 524-1752. The department web page can be found at: http://srjcathletics.com

Job Development

Job Developers at Santa Rosa Junior College provide information and guidance to students on career planning, job opportunities, and other career-related topics. As part of the SRJC Career Hub students and alumni can utilize the services when seeking out the means to connect to employers, develop their professional profile, and engage in the development of their career-readiness. Job Developers work collaboratively with faculty and staff to coordinate and facilitate recruitment days, employer panels, and targeted job fairs.

Learning Communities at SRJC

Learning communities are linked courses; the same group of students enroll in two or more classes. Learning communities support students' academic success, build student community, and provide opportunities for campus and community engagement.

1. **Asian Pacific American Student Success**: APASS is a learning community that supports student success through culturally responsive curriculum, counseling, and community engagement. Grounded in the concept of *Mana* - the mind, life force, and nourishment that sustains well-being - APASS encourages students to develop their academic, personal, and cultural strengths. APASS includes a two-semester sequence of English, Counseling, and Ethnic Studies courses that explore the Asian and Pacific diasporas and students lived experiences. Students enroll as a cohort, participate in university field trips, cultural activities, and meet regularly with the APASS counselor for academic planning and transfer preparation. All SRJC students are welcome to enroll.

2. **PUENTE** is a transfer program funded by University of California Office of the President. Puente students participate in a year-long learning community that focuses on English writing, StatisticsCounseling and Mentoring. Students will enroll in ENGL 1000 (ENGL C1000) Academic Reading and Writing, ENGL 50 English C1000 Support Course and ENGL 1001 (ENGL C1001) Critical Thinking and Writing that will focus on multicultural literature and experiences. Along with English, students will take COUN 10 Student Success-The First Year Experience and COUN 80 Understanding the Transfer Process which focuses on transition to college and the transfer process, and STAT C1000, an introductory course on statistical thinking and decision making using data. In addition, students will be matched with a mentor who is a professional in the community.

3. **UMOJA** focuses on student success through Academics, Counseling, and career Mentorship. In the fall, students enroll in Umoja linked

courses: ENGL 1000 (ENGL C1000) Academic Reading and Writing, HIST 30 African American History, and are encouraged to take COUN 10 Student Success-The First Year Experience. The program is open to all students interested in completing a degree/transferring, meeting with the Umoja counselor, and participating in cultural and personal enrichment activities.

Students enroll in Learning Communities because they benefit from:

- Meeting new students and developing new friendships
- Team-taught courses in learning-centered classrooms
- Numerous opportunities for college and community involvement

Library and Media Services

The Santa Rosa Junior College Libraries cultivate dynamic student-centered learning environments designed to foster student success. We create access to quality resources and instruct students in research skills that extend learning, enhance critical thinking, and inspire intellectual discovery.

About the Libraries

There are two libraries in the district, the Doyle Library on the Santa Rosa campus, and the Mahoney Library on the Petaluma campus. The Frank P. Doyle Library is located in the heart of the Santa Rosa campus. The four-story, 140,000-square-foot building offers abundant individual and group study space, computers, and a host of print and digital resources. The Herold Mahoney Library is located on the Rotary Plaza of the Petaluma campus facing south. The two-story, 35,000-square-foot building houses a dynamic print and digital collection, and abundant study spaces and computers. Both libraries offer technology-rich learning commons that provide flexible furniture and spaces for students to study, connect, learn, and create knowledge. The Libraries support the entire spectrum of curriculum offerings.

Research Support

The libraries provide thousands of relevant and credible resources of value for academic research projects. These resources include print and online collections that contain books, articles, images, videos, and more. Both libraries house a Reserve collection of current textbooks as well as quiet and collaborative study areas. Students can also checkout laptops and calculators. Library hours can be found at: **https://libraries.santarosa.edu/hours**.

A librarian is available, online or in-person, to assist students with research and information during all hours that the libraries are open. In addition, librarians teach a 1 unit course called Introduction to Information Literacy. Librarians offer scheduled and drop-in workshops on research skills, preparing a bibliography/works cited and other specific research tools. Students can also schedule 30-minute, one-on-one research assistance sessions with a librarian for individual support. For more information about the libraries and the resources and services we offer, please visit our website: **http://libraries.santarosa.edu.**

Media Services

Media Services offers expertise with educational technology, videoconferencing and Zoom licensing, learning space design/support, and a wide array of audiovisual, production and technical skills for campus events and projects. More information can be found on the Media Services website at **https://media.santarosa.edu/**.

Lifelong Learning

SRJC offers free noncredit educational courses designed specifically for active older adults as part of its Lifelong Learning program. Courses include Creative Arts, Writing, Special Interest Discussion Groups, Fitness, and Musical Expression. Since the program began in 1968, our SRJC Lifelong Learning courses have provided an opportunity for personal growth and development, group interaction, mental stimulation, and physical activity. Classes are held at various locations throughout Sonoma County and online. Interested individuals may sign up for a class by going directly to the location, where the instructor will provide application and registration materials, or by going online at **https://lifelong.santarosa.edu/**. For further information, please contact the Lifelong Learning Program at (707) 527-4533.

Lumafest

LumaFest is SRJC Petaluma's open house and community education event. LumaFest features exhibits and informational booths, food, demonstrations, contests, and activities that highlight the City of Petaluma's annual El Dia de los Muertos cultural celebration. In addition, this family-friendly, all-weather event hosts live musical/dance entertainment, movies and free performances in the Carole L. Ellis Auditorium, a chance to meet "Fresno" the Giraffe and Roscoe the Bear Cub, and interact with educational programs on campus, all while enjoying the spectacular sweeping views of Sonoma Mountain. Call 707-778-3927 for more information.

https://lumafest.santarosa.edu (https://lumafest.santarosa.edu/)

Mathematics, Engineering, Science Achievement (MESA) Program

The Mathematics, Engineering, Science Achievement (MESA) Program at Santa Rosa Junior College exists to serve educationally and economically disadvantaged students majoring in calculus-based majors, so they can excel in math and science and attain STEM degrees from four-year institutions.

The MESA Program offers academic assistance, transfer advising, and leadership and career development services specific to science, technology, engineering and mathematics (STEM) transfer majors.

The MESA Community College Program serves students who meet the following criteria:

- Intent to Transfer to a four-year college or university.
- Declare transfer major in a calculus-based STEM area.
- Currently receiving need-based financial aid.
- Has a completed FAFSA or California Dream Act application on file at SRJC.
- Must be first generation college student (Neither parent/guardian holds a bachelor's degree).

Students must complete an enrollment process in order to receive MESA services.

Students accepted into MESA agree to be engaged in activities that support the main components of the program, build an academically-

based peer community on campus, and develop individual and team-building leadership skills. This STEM community of learners is what sets MESA apart from other programs.

Main Components of the Mesa Program

- STEM specific orientation workshops for new and continuing students
- Academic Excellence Workshops and drop-in peer tutoring
- Career and transfer advising
- professional development and student success workshops
- Access to undergraduate research programs, internships, and projects
- Participation in STEM professional organizations, guest speaker presentations, and STEM industry tours

Interested students should visit the MESA Center located in Lindley STEM Center Room 161 or call (707) 521-7909, or visit our website: https://mesa.santarosa.edu/.

Our House Intercultural Center (SRJC Petaluma)

The Our House Intercultural Center's mission is to promote a campus culture of diversity, equity, and inclusion at SRJC Petaluma through educational and social programming, support of identity-based clubs and organizations, and the provision of services. Our House is also home to Queer Resources and Black Student Support Services, call 707-778-2427 for more information.

Peer Assisted Learning Specialist (PALS) Program

SRJC's PALS Program seeks to increase student knowledge and skills by fostering community, agency and persistence in the classroom. Students who have successfully completed courses are invited back to mentor and tutor current students so that they may find greater academic success. PALS attend class, and they hold individual tutoring sessions outside of class, as needed. In addition, PALS provides grading assistance to the instructor.

Performing Arts

Media

The Media Program in the Communication Studies Department offers a variety of activities, including practical workshop courses in film, video, and radio. Students create original film/video, projects, write film scripts, and produce radio dramas. The Media Internship Program with local television and radio stations is unique among two-year colleges in California. Graduates of the Media Program are employed in communication positions throughout the west. The Communication Studies Department grants a Certificate of Completion with an emphasis in Media.

Music

Music opportunities are plentiful and varied. Performing organizations available to all students include choirs (both large and small), jazz singing, jazz bands, concert bands, orchestras, wind, string, and keyboard ensembles. Classical and popular singing classes, synthesizer, musical theatre, and improvisational jazz technique classes are available. Traditional piano, theory, history, and sight-singing courses are open to students.

Theatre Arts

Theatre Arts classes are exciting and challenging for all students. Theatre classes offer a wide range of topics from theatre history and performance skills to stage lighting, theatre design, and management. For students with specific interests, Theatre Arts offers specialized training through a certificate program in the fields of acting, costuming, makeup, stagecraft, or stage management. All students are encouraged to participate in our productions as performers, backstage technicians, or as part of the front of house management team. A dynamic season of productions and showcases are presented throughout each school year in our two state-of-the-art theatres. Auditions are generally held within the first 10 days of each semester; interviews for student designer and stage management positions are held in the late spring or early fall.

For more information, contact Justin Smith at jsmith3@santarosa.edu or visit: https://theatrearts.santarosa.edu/; Burbank Auditorium room 138.

Petaluma Film Alliance

The Petaluma Film Alliance is a program of the SRJC Foundation dedicated to building community through the art of film. Santa Rosa Junior College, community businesses and individual members partner together to create year-around film programs with an emphasis on film education. PFA also offers regular internship opportunities for students to gain experience in programming and festival management at the Petaluma campus cinematheque and Film Fest Petaluma, the city's annual short film festival. The program includes the events listed below.

Petaluma Cinema Series

The Cinema Series, which is open to the public, offers Wednesday night screenings from September through May of classic, foreign and independent films in the Carole L. Ellis Auditorium at the SRJC Petaluma Campus. The series hosts Q&As with guests from the world of film, lectures and post-screening discussions.

Film Fest Petaluma is an annual film festival held in the late spring at Petaluma's historic Mystic Theatre, featuring the best new short films from around the world with filmmakers in conversation.

Sonoma County Student Film Festival is an annual film festival held the first weekend of April, featuring the best student work from schools throughout Sonoma County. Entries for the festival are accepted via FilmFreeway (https://filmfreeway.com/SCSFF?utm_campaign=Submission+Button&utm_medium=External&utm_source=Submission+Button)until early March.

Further information is available at https://comm-studies.santarosa.edu/film-screenings-events

Piner Early College Magnet Program

Santa Rosa City Schools and Santa Rosa Junior College share a unique partnership known as the Piner High School Early College Magnet (ECM) Program. This partnership provides qualified high school students dual enrollment opportunities, allowing them to earn college credits while earning their high school diploma. This exceptional educational

opportunity establishes a four-year cohort providing ECM students with accelerated learning in the company of other college students.

Piner ECM students receive special counseling services from both the high school and SRJC. Each student is provided with a personalized four-year education plan. Students also complete SRJC counseling courses to prepare them for college success.

ECM students begin their journey as freshmen at Piner High School by taking a course called Early College Foundations which prepares them for future college course work. As sophomores, the ECM students take a Counseling course at SRJC that is restricted only for Piner ECM.

As high school juniors and seniors, students attend four periods at Piner High School and enroll in as many as two college courses per semester at the SRJC Santa Rosa Campus. Their courses of study are guided by their personal education plans and lead to the completion of a certificate, associate degree, or university transfer.

SRJC enrollment fees are exempted for high school dual enrollment students and all required SRJC textbooks are provided at no cost to students enrolled in the Piner ECM program. A designated SRJC counselor provides support and instruction for the students, while an SRJC staff member coordinates the Program for the college. The high school supports the program by providing bus transportation to SRJC's Santa Rosa Campus, staff for high school counseling and coordination of the program for the high school, as well as marketing and outreach for student recruitment.

For further information, contact: Colleen Olmstead, Student Outreach Coordinator, Santa Rosa Junior College at **colmstead@santarosa.edu**.

Puente Project

Puente Project is a national award-winning program that has helped prepare thousands of students for success in university studies. The program involves a two-semester sequence of English Composition/ Critical Thinking, an introductory statistics course, and counseling courses that focuses on the Chicano/Latine experience.

Additional program activities/events are required and are designed to help students participate fully in academics and career preparation. Students are admitted to the program each year through a first-come, first-served basis. Students must be eligible for Engl C1000, STAT C1000, and a counseling course (Coun 7, 10, or 80) and have a high interest in transferring.

If interested, please submit an interest form at https://puente.santarosa.edu/ (https://puente.santarosa.edu./). There are two Puente programs, one on the Santa Rosa Campus and one on the Petaluma Campus. For the Santa Rosa Campus Puente is located in Bertolini Student Center, 3rd floor PAU Center. For the Petaluma Campus Puente is located in Kathleen Doyle Hall room PC216. For further information, contact: Puente Santa Rosa Office at (707) 521-6909, or the Petaluma Campus at (707) 778-3916.

SRJC District Sustainability Committee

The District Sustainability Committee is a collaboration between faculty, staff, administrators, and students committed to expanding and supporting sustainability initiatives at SRJC. A primary goal is to facilitate the development, implementation, and management of Santa Rosa Junior College's Strategic Plan: Strategy 4, Goal 2 "Promote a community culture of sustainability". This is done by identifying "annual goals for sustainability, including the creation and regular assessment of a District Sustainability Plan that achieves the Presidential Climate Commitment" and promoting a culture that promotes environmental stewardship, economic vitality, and social equity throughout all district sites.

The Sustainability Committee is committed to the following functions:

- Promote sustainability across all designated domains: Transportation, Curriculum and Education, Engagement and Culture, Food, Economics, Resource Use and Climate, Built Environment, Administration and Organization
- Monitor and provide input to district-wide policies and projects, especially construction, renovation, and purchasing, to assure implementation of green practices and principles, in coordination with district leadership
- Network with campus and community sustainability organizations and develop student trainings, events, and internships
- Create sustainability-related professional development opportunities
- Oversee and promote environmental education at SRJC, including supporting the development of environmental courses and majors, administering the Global/Environment AS requirement, facilitating the Environmental Forum course, awarding Foundation scholarships, and assisting faculty across all disciplines to incorporate sustainability issues into their curricula.

Interested students, faculty, and staff are encouraged to get involved by taking the following actions:

- Attend a committee meeting (fourth Thursday of months: Aug, Sept, Oct, Jan, Feb, Mar, Apr, 3:00-4:30PM) and communicate the changes and programs that you would like to see happen.
- Students: Participate with other students in our student-led sustainability group. For more info see the Student Involvement page (https://sustainability.santarosa.edu/student-involvement).
- Take a class in an environmental field such as environmental studies, natural resources management, conservation, sustainable agriculture, or photovoltaics/solar design. See the list of courses that have sustainability as a theme at: https://sustainability.santarosa.edu/sustainability-courses-srjc.

For more information about district-wide sustainability, visit SRJC's Sustainability website (https://sustainability.santarosa.edu/).

Student Affairs

The Student Affairs office represents the hub of all student life activities and programs at Santa Rosa Junior College. It includes the Student Life & Cultural Programs department which coordinates the extracurricular and co-curricular activities of students, student elections, clubs days, the Cultural Centers, the Girvin Family Student Activities Center (SAC), the Student Ambassadors Program, the Student Government Assembly, and student clubs and organizations. In addition, Student Affairs is the home of student Rights & Responsibilities which includes support with student complaints, student conduct matters, and free speech activities. If students need support with Basic Needs services they can visit Student Affairs for information about food, housing, and transportation resources. Questions regarding food services, the bookstore, and vending machines can also be directed to the Student Affairs office.

The Student Affairs office is the place to go for general information and assistance, student tours, student ID cards, Club Banking, the Bearfacts online newsletter, and many other programs and services.

In Santa Rosa, Student Affairs is located on the 1st floor of the Bertolini Student Center. Hours of operation are Monday-Thursday, 8:00 am – 5:00 pm, Friday, 8:00 am – 3:00 pm, and Wednesdays, 8:00 am – 7:00 pm. For more information, call (707) 527 – 4424 or email **srjcstudentlife@santarosa.edu**.

In Petaluma, Student Life is located in the Welcome & Connect Center located in the south entrance of the Mike Smith Hall. Hours of operation are Monday through Thursday, 8:00 am – 5:00 pm, and Friday, 8:00 am – 12:00 pm. For more information, call (707) 778-7141 or email petalumawelcome@santarosa.edu.

Visit **http://studentlife.santarosa.edu** for more information.

Student Resource Centers

Student Resource Centers are designed to help our SRJC Community (students, staff, faculty, alumni, etc.) when they are finding it hard to meet their basic needs.

- Come into a Del Monte Resource Lobby to find information, referrals for:
- Housing
- Food
- Transportation
- The Resource Lobby provides information for a variety of basic needs programs both on and off-campus.
- Food Programs
- Housing Programs
- Transportation Programs
- CalFresh Program
- Health, Wellness & Support Programs
- School Supply Programs
- Shower Kits
- Emergency items
- and more...

Santa Rosa Campus -- Bertolini Student Center

1st floor Del Monte Resource Lobby

(707) 522.2638

Petaluma Campus – Welcome & Connect Center in Mike Smith Hall

680 Sonoma Mountain Parkway

Mon - Th: 8:00 am - 5:00 pm

F: 8:00 am - 12:00 pm

Visit https://petaluma.santarosa.edu/studentcenter for more information.

https://petaluma.santarosa.edu/basicneeds

https://maps.santarosa.edu/

Student Photo ID's

The office of Student Affairs is the place to purchase and attain a registered student photo ID. First photo ID is free; lost ID is $5. Also, International Student ID cards cost $22 and the Gold Card and Employee ID cards are free.

The Santa Rosa Junior College Gold Card ID is FREE and is available to 1) all residents of Sonoma County, 2) 60 years old or older, and 3) must have a Student ID number. This plastic, photo ID card entitles the user to similar benefits as a CubCard Premium member. The office of Student Life, Equity & Engagement can help you obtain a Student ID number for free if needed.

SRJC Student Body

All currently enrolled students are considered members of the Santa Rosa Junior College Student Body and are represented by the Student Government Assembly (SGA). Your SGA is the main legislative body of the SRJC Student Body and acts as voice and decision-making body of all students who attend Santa Rosa Junior College. SGA fosters and encourages the democratic process and political action by involving students in educational issues and legislation that affects their lives on local, state, and national levels.

The programs and services that SGA provides SRJC students is supported by students who pay the $15 CubCard Premium membership fee each semester ($9 summer). As a CubCard Premium member, students can enjoy many of the events and programs provided by their fellow students and they are also entitled to special discounts on and off-campus. On campus discounts include, free home athletic events, one free theatre ticket per Theatre Arts production, 10% off textbooks the first two weeks of each semester and 10% off supplies all semester long at the SRJC Bookstores. They also save $0.50 off at Pacific Dining (when you spend $5.00 or more) and 10% off on any item the first month of each semester.

SGA PROGRAMS

The Student Life Committee (SLC) and Petaluma Council (PC) are student led committees that supports organizations and clubs while hosting programs and events that nurture personal growth and strengthen our campus communities.

The Inter-Club Council (ICC) is the official body representing student clubs at SRJC Santa Rosa Campus. Through meetings and activities, ICC connects clubs, allocates funding, and fosters leadership and collaboration. Find your community, choose from more than 80 clubs!

The Finance & Benefits Committee manages student fee funds to support the various student leadership programs and to ensure that funds are expended in the best interests of the students of SRJC.

SGA gives financial support to many other SRJC programs that are creative, engaging and that directly benefit students. They support the following programs or services: Petaluma Cinema Series, Intercultural Events, Arts & Lectures, Library Reserve Books, Theatre Arts Program, Intercollegiate Athletics and much more. CubCard Premium members are also eligible to apply for both emergency loans and book loans.

Interested in becoming a leader? SGA members are annually elected by the student body during the month of April; vacant positions are filled by appointment. All interested students are encouraged to apply in the office of Student Life, Equity & Engagement Programs or Contact srjcstudentlife@santarosa.edu or phone (707) 527-4424. The offices of

the SGA are located in the office of Student Affairs on both the Santa Rosa and Petaluma campuses.

Club Directory

clubs.santarosa.edu (https://clubs.santarosa.edu/)

Finding your community is what makes the SRJC experience! We have clubs for nearly every interest: culture, creativity, academics, sports, and activism. Clubs are completely open to all enrolled students. Joining a club is a great way to make friends, develop leadership skills, and enhance your time in college. Catch Club Day early in the semester to meet our active groups and sign up in person! Don't see a club that speaks to you? Start your own! Find club information online, or drop by the Student Engagement Center to learn more.

Club Membership

At SRJC, everyone belongs. All clubs follow a strict open-membership policy, meaning no club can deny membership based on a vote, audition, or exclusive selection process. We are committed to ensuring equal opportunity for all students to get involved, connect with peers, and step into leadership roles.

Inter-Club Council (ICC)

The Inter-Club Council (ICC) is the collaborative hub for all SRJC clubs. All ICC meetings take place in the Student Engagement Center, and is made up of at least one representative from every active club. ICC officially activates new clubs, approves funding for club grants, and sponsors campus events each semester.

Student Employment

The Student Employment Office as part of the SRJC Career Hub assists SRJC students and alumni who are seeking employment both on and off-campus. Services and resources include:

On-Campus Employment Services

On-campus employment provides students the opportunity to acquire and develop general work habits, earn extra money while enrolled in college and to assist departments in maintaining programs. Student Employment provides support services for SRJC student employees including Federal Work Study students throughout their employment. Students must be enrolled part-time to work on campus, 6.00 units in fall and spring semesters and 3.00 units during the summer session. Hours of work are limited to 25 hours a week, and 20 hours for international students. Students are employed at four District locations, SRJC Santa Rosa, SRJC Petaluma, Shone Farm and Southwest Center.

Online Student Job Board

- Jobs for both entry-level and the highly skilled
- Part-time and full-time job listings
- Full-time career opportunities for city, county, and state positions
- Resume templates
- Employer resume search
- Job search and career videos
- Career advice documents and podcasts

For more information, contact:

SRJC Career Hub

Bertolini Student Center 3rd Floor

(707)-527-4476

https://careerhub.santarosa.edu/campus-employment

Student Health Services

Good health is essential to student success. Student Health Services contributes to the well-being and educational success of Santa Rosa Junior College students through a variety of health-related services. The department provides support services for the entire college community through communicable disease control, risk management activities related to accidents and behavioral incidents, optimizing maximum health insurance coverage as possible for students, maintaining referral lists, and more. The department's web page provides online learning activities, access to an interactive online health magazine and health education and promotion resources. Health events and classroom presentations on health issues are provided. Individual students may be supported with a range of direct health services in the health centers to address barriers impacting their educational success.

Student Health Services provides direct medical, mental health, telehealth, administrative services on the 3rd Floor of Bertolini in Santa Rosa. At SRJC Petaluma, medical and mental health are located at 610 Richard Call Building. Student Health Services provides direct services by District College Nurse Practitioners and Mental Health providers for any SRJC student enrolled in credit or non-credit courses. We also provide telehealth appointments. The healthcare providers in Student Health Services are a confidential resource for any student disclosing a Title IX violation.

Services include: appointments and drop-in care for students who are ill, injured, or have health questions/concerns; emergency first aid; crisis intervention, mental health counseling, health screening; health education and promotion activities; sexual and reproductive healthcare, enrollment in health insurance and/or food programs, and resource finding and referrals.

Students who are injured while participating in any college-sponsored and/or supervised activities, whether on or off-campus, may qualify for student accident insurance benefits. Any incident should be reported to Student Health Services as soon as possible to obtain assistance and information regarding the insurance coverage.

Student Health Services is supported by the student health fee. Most services in the clinic are free including mental health counseling and medical visits. Some immunizations and lab tests incur a fee for the student.

SRJC Student Health Services participates in the Naloxone Distribution Project (NDP) to combat opioid overdose-related deaths throughout California. This initiative is aimed to address the opioid crisis by reducing opioid overdose deaths through the provision of free naloxone.

Naloxone is a life-saving medication that works to reverse an opioid overdose while having little to no effects on an individual if opioids are not present in their system. Naloxone blocks opioid receptor sites, reversing the toxic effects of opioid overdose.

Check out the California Department of Public Health (CDPH) training video that highlights the knowledge and skills needed to prevent opioid-

related deaths by using naloxone, a drug that can reverse an overdose. https://www.youtube.com/watch?v=nurz9qPGKws Visit the Student Health Center for more information on the use and location of opioid overdose reversal medication on campus.

Please see our website or call for the latest information of hours and service:

Santa Rosa Campus, Bertolini Building : 527-4445

Petaluma Campus, Richard Call: 778-3919

You may visit our Web site at: https://shs.santarosa.edu/.

Or you may email us at: studenthealthservices@santarosa.edu

During June and July, all sites are closed on Fridays.

Student Housing

On-Campus Housing

SRJC Residence Life, Polly O'Meara Doyle Hall opened Fall 2023 and is located at 1988 Armory Drive Santa Rosa, CA 95401.

Phone: 707-535-3778 for additional information: https://housing.santarosa.edu

Off-Campus Housing

The Student Resource Center maintains an online housing board with current listings of available off-campus housing. Other than providing these services, the College assumes no responsibility for off-campus housing. Room and board and apartment costs vary greatly. Housing is limited and students should make arrangements well in advance of enrollment. If you are looking for off-campus housing information is available: https://housing.santarosa.edu/

Student Publications

BearFacts

The BearFacts Student eNewsletter is an online bulletin that circulates information of interest to the college community. It is emailed and texted weekly to all currently registered students. Its primary focus is intended to communicate Student Services/Student Life information. It also promotes student-sponsored activities and events and other items of interest to the college community. Scholarship deadlines, student employment opportunities, and SRJC club information are just a few of the many listings in the BearFacts Student eNewsletter.

First Leaves

A publication of student works of literature and art that is published in spring.

The Oak Leaf

The Oak Leaf is SRJC's award-winning newspaper and website, www.theoakleafnews.com (https://www.theoakleafnews.com/). The News Media Practice classes (Jour. 52A/B/C/D) offer a hands-on learning environment where students produce all content and decide what is published in print and online. The Oak Leaf covers college news, features, sports, opinions and arts & entertainment, as well as state and national events that affect the college and its students.

The Oak Leaf prepares students for careers in journalism and related fields. Students learn a broad range of print and multimedia skills, including writing, reporting, editing, photography, design and layout, podcasting, video production, social media reporting and website management and marketing. Call (707) 527-4867 for more information.

Study Abroad

Students at Santa Rosa Junior College have the opportunity to study abroad. Nearly all classes offered are university transferable, meet general education requirements for the associate degree, and meet CSU, UC, and IGETC general education requirements. SRJC faculty and their counterparts from other cooperating California community colleges teach the courses.

Study Abroad offers programs in London or Spain in the fall semester and Florence for the spring semester, as well as short term programs in summer. For semester-length programs, students are required to be enrolled full time (12 or more units) and to have at least a 2.25 GPA and be at least 18 years old.

For additional information, visit the Study Abroad website at: https://study-abroad.santarosa.edu/ or call the Study Abroad office and leave a message at (707) 527-4441.

Success Team (SRJC Petaluma)

The Petaluma Student Success Team promotes success through utilizing interventions to help you reach your academic goals. These include One-on-One Peer coaching meetings designed to establish goals, troubleshoot any roadblocks to success, provide support and reassurance, and provide referrals to on and off campus resources.

Transfer Center

It is the mission of the SRJC Transfer Center to meet the needs of students preparing to transfer to a bachelor's degree program by providing accurate, current information to four-year colleges and a set of coordinated resources, activities, and services that support the transfer process. The Transfer Center offers:

- Availability of college/university representatives for individual meetings.
- Assistance with college/university applications.
- Referrals to faculty for information about majors and colleges/universities.
- Referrals to other programs that support transfer students.
- Workshops and panel presentations on transfer topics.
- An annual college fair with representatives from colleges/universities.
- General directories of information about colleges/universities and their academic programs.
- Computerized university/college search programs.
- COUN 80 Understanding the Transfer Process: a short course about transfer planning.

The Transfer Center is located in the Bertolini Student Service Center. Website: http://transfer.santarosa.edu/

Transfer to a Bachelor's Degree Program

There are four requirements to transfer from a community college to a college/university bachelor's degree program:

1. The total number of required units.
2. General education courses.
3. Major preparation courses.
4. A minimum grade point average.

For an overview of the requirements to transfer to a California State University (CSU) or University of California (UC), which are California public university systems, see the following.

MINIMUM CSU TRANSFER ELIGIBILITY REQUIREMENTS

1. 60 transferable units (courses numbered 1-99 and newly re-numbered courses C1000+ as part of Common Course Numbering efforts).
2. 2.0 GPA (for California residents).
3. 34 units of General Education completed with grades of C or better. Part of those 34 units of GE courses completed must include all of Area 1 (English composition, critical thinking composition and oral communication) and Area 2 (Mathematical Concepts and Quantitative Reasoning). Note: Some CSU's now require that these four courses be completed by the end of spring for fall transfer and by the end of summer for spring transfer.
4. File an application for admission while the CSU campus is accepting applications.
5. For more information please visit the CSU website www.calstate.edu (http://www.calstate.edu/).

RECOMMENDED CSU TRANSFER REQUIREMENTS (HIGHLY ENCOURAGED FOR COMPETITIVE PROGRAMS)

1. 60 transferable units.
2. 2.5+ GPA (Impacted majors and popular campuses may require a higher GPA and specific preparation to meet "selection criteria").
3. 34 units of GE completed and certified (must be with a C or better).
4. File an application for admission during the priority-filing period.

Note: To graduate from a CSU, it is required that at least 9 units of upper division GE be completed after transfer. It is not possible to complete all GE required for graduation from a CSU at SRJC.

MINIMUM UC TRANSFER ELIGIBILITY REQUIREMENTS

1. 60 transferable units* (courses numbered 1—49 + and newly re-numbered courses C1000+ as part of Common Course Numbering efforts + 4 PE activity courses)—see "Which Courses Transfer and Where"
2. 2.4 GPA (for California residents).
3. 2 courses in English Composition.
4. 1 transferable course in mathematical concepts and quantitative reasoning.
5. 4 courses from at least two of the following areas: Arts & Humanities, Social & Behavioral Sciences, and Physical & Biological Sciences.
6. The 7 course-pattern must be transferable to UC and completed with grades of C or better.
7. File an application for admission during the priority filing period.

RECOMMENDED UC TRANSFER REQUIREMENTS (HIGHLY ENCOURAGED FOR COMPETITIVE PROGRAMS)

1. 60 transferable units. Refer to the SRJC/UC Transferable Course Agreement
2. The 7 required courses.
3. 3.0+ GPA for California residents (higher GPA may be required for impacted majors).
4. Lower division major preparation completed.
5. Cal-GETC or campus-specific GE completed.
6. File an application for admission during the priority-filing period.
7. Please refer to the UC website for more information www.universityofcalifornia.edu (http://www.universityofcalifornia.edu/).

For General Education (GE) requirements for the CSU and the UC, see the sections in this College Catalog for: "General Education, California General Education Transfer Curriculum (Cal-GETC)" (general education pathway for California State University and University of California)

Note: Effective Fall 2025, Cal-GETC is the singular general education pathway for California Community College (CCC) students to fulfill lower-division general education requirements for transfer to both the California State University (CSU) and the University of California (UC). It's a total of 34 semester units.

Cal-GETC certification requires completion of all requirements passed with a minimum grade of C prior to transfer. Partial Cal-GETC certification is not granted.

Students that have maintained "continuous enrollment" at SRJC or another CCC and/or CSU prior to Fall 2025 may elect to continue with CSU GE or IGETC. Please see a counselor for more information.

Major preparation courses (also called major prerequisites) are courses that must be taken at the freshman or sophomore level in order to be admitted to a major at the junior level. Santa Rosa Junior College offers only freshman and sophomore-level ("lower division") courses. Only colleges/universities with bachelor's degree programs offer junior/senior-level ("upper division") courses. Information about major prerequisites for some majors and schools are available from a counselor. It is important to choose a major as early as possible. See a counselor about how to choose a major.

For transfer to an independent (private) college/university or an out-of-state college/university, it is important that the student meet with a counselor as early as possible. The counselor will assist the student in consulting college/university websites about the requirements of each target college/university. It is also important for the student to establish contact with the admissions office of the target school.

Which Courses Transfer and Where

At Santa Rosa Junior College the number of each course indicates whether or not it will transfer to the California State University (CSU) or the University of California (UC) for credit toward a bachelor's degree.

1. Courses numbered 1—49 + and newly re-numbered courses C1000+ as part of Common Course Numbering efforts will be accepted for credit by the UC (examples: ENGL 1000 (ENGL C1000) Academic Reading and Writing, MATH 10 Nature of Mathematics, SOC 30 Race, Ethnicity, and Inequality). However, UC transfer students should not count credit earned for selected topics (48) or special studies (49) toward the 60 units required for admission. These courses will be evaluated by the UC campus after admission.
2. Courses numbered 1—99 + newly re-numbered courses C1000+ as part of Common Course Numbering efforts will be accepted for credit by the CSU (Examples: ENGL 1000 (ENGL C1000) Academic Reading and Writing, MATH 27 Precalculus Algebra and Trigonometry, NRM 51 Wildland Trees and Shrubs, COUN 80 Understanding the Transfer Process).
3. In general, independent and out-of-state colleges/universities accept courses numbered 1—49 + newly re-numbered courses C1000+ as part of Common Course Numbering efforts. It is important to meet with a counselor and establish contact with these colleges/universities to verify acceptable courses.

When to Apply

There are standard "priority admission" application periods for the California public university systems. Specific CSU or UC campuses may accept applications beyond the priority application period. Students can find out whether a particular campus is open for applications from a counselor, the Transfer Center, or the website of the campus to which they wish to apply.

There are variable application deadlines for independent and out-of-state colleges/universities. Students should visit the website of each school to which they wish to apply for application deadlines.

Priority Application Period to Apply for:

- July 1-31: Spring semester or quarter of the next year at UC
- August 1-31: Spring semester or quarter of the next year at CSU
- October 1-November 30: Fall quarter or semester of next year at CSU
- October 1-November 30: Fall quarter or semester of the next year at UC
- Application deadlines for California Independent and Out of State universities vary. It is important to research each campus for their specific deadlines.

Transfer Admission Agreements

Santa Rosa Junior College has Transfer Admission Guarantees (TAG) with UC Davis, UC Irvine, UC Merced, UC Riverside, UC Santa Cruz, and UC Santa Barbara. These agreements guarantee transfer admission to students who meet certain requirements for course completion and grade point average. Students must complete 30 transferable units before entering into the agreement. Students interested in transferring to one of these campuses should review the TAG criteria on the Transfer Center website and meet with a counselor to clarify any information.

Tutorial Center

The Tutorial Centers on the Santa Rosa and the Petaluma campuses are student-centered learning places where tutoring is offered **FREE OF CHARGE** to SRJC students needing assistance with coursework in many subject areas, at all academic levels. This tutorial assistance is provided by Instructional Support Specialists, faculty who are experts in their subject areas, and by knowledgeable students who have been recommended by instructors and have not only succeeded in the courses they tutor, but enjoy helping others succeed. You don't need to have academic challenges or hurdles to overcome to use the Tutorial Centers. Many scholars use it to maintain A and B averages.

In Santa Rosa, the Tutorial Center is located in Doyle Library, Room 151. In Petaluma the Tutorial Center is located at the Mahoney Reading Room.

We look forward to providing our in-house tutoring services online or in-person. Please visit our website: https://college-skills.santarosa.edu/srjc-tutorial-centers.

For additional resources, programs, and services we offer, please visit our website: https://college-skills.santarosa.edu/.

Veterans' Benefits

Santa Rosa Junior College is an approved college for the training of veterans and veterans' dependents under the various public laws of the United States and California veteran enactments.

Students eligible for veterans' benefits are urged to contact the Veterans Success Center in Plover Hall well in advance of registration so that necessary arrangements may be made with the Veterans Administration or the California Department of Veterans Affairs.
Students using VA education benefits should keep in mind that the time frame in which they receive their benefit payment is usually directly correlated with the timelines with which they apply for their benefit and/or notify the SRJC Veterans Success Center they wish to use their benefit. Payments will be retroactive from the first day of attendance. Since the payment of fees and books cannot be deferred until receipt of benefits and the Emergency Loan Fund cannot provide loans to cover all veterans during the first two or three months of school, the student should be financially prepared until benefit payments begin.

The state of California provides a program for children and spouses of veterans who are deceased or are disabled from service-related causes. Applications should be submitted to the Sonoma County Veteran Service Office, 3725 Westwind Blvd. STE 101, Santa Rosa, CA 95403 (707) 565-5960

Veterans and military reserve members are granted four units of college credit for completion of basic training. Additional academic credit may be granted for advanced military experience and training as determined by the Evaluations Office of Admissions and Records.

Veterans and eligible persons using VA educational benefits should be aware that the United States Department of Veterans Affairs (USDVA) requires the termination of VA educational benefits if the student is not making satisfactory progress toward completion of their training objective. Definitions for satisfactory progress are outlined at: https://counseling.santarosa.edu/probation-dismissal-readmission-and-renewal

Additionally, USDVA requires benefits be terminated if a student remains in an academic/progress probation status for more than two semesters. In such cases, Veterans and eligible persons using VA educational benefits are able to reinstate the use of their benefit once they have completed one semester of a minimum of six certifiable units with a minimum GPA of 2.0 and a minimum completion rate of 51%.

Should a Veteran or eligible person using VA educational benefits be placed on Academic or Progress Dismissal, they will be able to reinstate the use of their benefit upon completing the process from readmission,

outlined at: https://counseling.santarosa.edu/probation-dismissal-readmission-and-renewal

For information or assistance regarding veterans benefits, contact the Veterans Success Center in Plover Hall. Hours are Monday–Thursday, 8:00 am–5:00 pm and Friday, 8:00 am–1:00 PM. For more information, call (707) 527-4326 or visit: https://veterans.santarosa.edu/

Information for students Using Veteran Readiness and Employment benefits (CH31) or Post-9/11 G.I. Bill® (CH33)

A student using Veteran Readiness and Employment benefits (CH31) or Post-9/11 G.I. Bill® (CH33) will be allowed to enroll in and attend courses and access campus facilities while the campus awaits payment for tuition and fees from the VA. While awaiting receipt of funds from the VA, Santa Rosa Junior College will not impose any penalty, charge late fees or require an eligible student to borrow additional funds to cover tuition or fees. This waiting period begins the date the student provides appropriate documentation and continues either until funds are received from the VA or until 90 days after the School Certifying Official has certified the student's enrollment for tuition and fees.

To demonstrate current eligibility and intent to use Chapter 31 or 33 benefits, a student must provide the following documents:

- Electronic authorization from Veteran Readiness and Employment Counselor; or
- Certificate of Eligibility (COE) or Education Enrollment Status form (printed from the VA website).
- A written request to use either VA Veteran Readiness and Employment or Post 9/11 G.I. Bill benefits; and
- All additional information requested by the School Certifying Official to properly certify enrollment to the VA.
- A comprehensive education plan created by an SRJC Veterans Counselor.

For more information regarding this policy, contact your School Certifying Official, Farrel Dobbins at fdobbins@santarosa.edu or (707)524-1661.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill/).

Welcome & Connect Center

The Welcome & Connect Center is your first stop whether you are going to college for the first time, are new to Santa Rosa Junior College, or just have a quick question. In one convenient location at either of our campuses, you will find the information, services and support you need to make a smooth transition to SRJC. The Welcome & Connect Center has staff and First Year Peer Success Coaches on hand to answer questions, connect new students to programs and services, and or provide hands-on assistance completing the online application for admission and financial aid paperwork. For more information about the SRJC Santa Rosa Campus Welcome & Connect Center, call or text (707) 527-4410 or visit welcome.santarosa.edu (https://welcome.santarosa.edu/). For information about the SRJC Petaluma Welcome & Connect Center, call (707) 778-7141 or visit: petaluma.santarosa.edu/welcome (https://petaluma.santarosa.edu/welcome).

Work Experience

Courses offered assist students in acquiring desirable work habits, attitudes, career awareness and other professional skills. Internship courses are a bridge between classroom learning and work with the internship directly related to the students' major.

Work Experience students apply employability skills known as "soft skills" in a work environment. Soft skills include teamwork, effective communication, time management, adaptability, and problem-solving. The skills learned in Work Experience courses help students develop skills that support career and college success.

Benefits to Enrolling in Work Experience

- Improve effectiveness in the workplace
- Learn skills that will support career advancement
- Apply skills learned in the classroom to the job and vice versa
- Apply goal-setting techniques to achieve success both professionally and personally
- Earn college credit towards a certificate, a degree, or to transfer
- Meet full-time student status for financial or other aid

Work Experience Courses Offered

- General Work Experience
- Occupational Work Experience
- Internship courses
- Community Engagement courses
- Apprenticeship courses

Santa Rosa Campus

Bertolini Student Center,
3rd floor, Room 4842
(707) 527-4329

Petaluma Campus

Student Center, Building 500 (by appointment only)
(707) 527-4329

Web site: https://careerhub.santarosa.edu/

SCHOLARSHIPS

- Santa Rosa Junior College Foundation (p. 83)
- Scholarships and Awards (p. 83)

Santa Rosa Junior College Foundation

The Santa Rosa Junior College Foundation is a 501(c)(3) nonprofit organization established in 1969 by past Superintendent/President Dr. Randolph Newman to advance educational opportunities by raising and stewarding funds for student scholarships, academic programs, and special projects of the College. Since inception, nearly $180 million has been received from our generous community of donors to help students achieve their academic and career goals. The SRJC Foundation is proud of our history created by generations of donors, Board volunteers and staff who have been committed to helping students receive the financial assistance they need to enhance their education.

Mission: We inspire investment in higher education to provide life-changing opportunities for all SRJC students, their families, and the community we share.

Vision: We elevate our community to new heights through the power of philanthropy and the promise of higher education.

Core Values: Impact, Opportunity, Equity, Trust, Collaboration

Gifts to the SRJC Foundation may be made in the form of cash, illiquid assets, bequests, wills, or trusts. Earnings from prudent investing assist in funding scholarships and programs at Santa Rosa Junior College for the progress and welfare of its students, faculty, staff, and community. Charitable contributions to the Foundation are tax-deductible and can be designated for a specific purpose at the college or applied where the need is greatest.

To learn more about the many ways to support the College and its students, please visit https://foundation.santarosa.edu/
Phone: (707) 527-4348 Email: foundation@santarosa.edu
Website: https://foundation.santarosa.edu/



Scholarships and Awards

Santa Rosa Junior College offers scholarship opportunities to incoming, continuing, and transferring students. Scholarships can be used for tuition, fees, books, supplies, and other educational expenses. This form of financial aid helps to provide access to higher education and support students in completion of their educational goals. The SRJC Scholarship Program is supported by charitable giving from individuals, businesses, and community organizations to the Santa Rosa Junior College Foundation.

The Doyle Scholarship Program provides financial assistance to qualified high school graduates who will attend Santa Rosa Junior College in the academic year following their high school graduation and to continuing SRJC students. Doyle scholarships assist students as they work to complete an Associate's Degree, certificate program, and/or units necessary to transfer to a four-year institution. Funds for these scholarships are provided through the Frank P. Doyle and Polly O'Meara Doyle Trust. The primary application period for Doyle Scholarships is from October 1 – March 2.

Applications for the SRJC Foundation Scholarships are available from mid-January to March 2 and from late August to October 1. Students are encouraged to contact the Scholarship Office early for information on completing the scholarship application. The Scholarship Office is located in Plover Hall on the Santa Rosa campus. Hours are Monday–Thursday, 8:00 am–5:00 pm and Friday, 8:00 am–1:00 pm. For additional information, call (707) 527-4740. Information is also available at: http://scholarships.santarosa.edu (http://scholarships.santarosa.edu/).

DEGREE, MAJOR, AND CERTIFICATE PROGRAMS

- Associate in Arts and Associate in Science Degrees (p. 84)
- Associate Degree for Transfer (p. 84)
- General Education Statement of Philosophy (p. 85)
- Degree Requirements (p. 85)
- Catalog Rights For Majors (p. 86)
- Continuous Enrollment (p. 86)
- Degree Honors (p. 86)
- Additional Associate's Degrees (p. 86)
- Transfer Credit Evaluation (p. 86)
- General Education- 2026-27 Cal-GETC GE (p. 87)
- General Education- 2026-27 SRJC Associate Degree Graduation Requirements (Local GE) (p. 91)
- Current and Past GE Patterns (p. 97)
- Major Requirements (p. 97)
- The SRJC Major and Transfer (p. 98)
- The Career Education Major and the Certificate of Achievement (p. 98)
- The Career Education Major and Selection Processes (p. 98)
- Multiple Majors (p. 98)
- Coursework Requirements and the Major (p. 98)
- Term Effective and the Major (p. 98)
- Certificates in the Credit Program (p. 98)
- The Certificate of Achievement and the Major (degree program) (p. 99)
- The Certificate of Achievement and Selection Processes (p. 99)
- Certificates in the Non-Credit Program (p. 99)
- Certificate Requirements (p. 99)
- Term Effective and the Certificate (p. 100)
- Catalog Rights for Certificates (p. 100)

Associate in Arts and Associate in Science Degrees

The Associate in Arts and Associate in Science degrees can be earned at Santa Rosa Junior College. Requirements for graduation with an Associate's Degree are prescribed by the California Community College System and the Board of Trustees of SRJC.

It is the student's responsibility to submit an Application for Degree by the deadline date during the semester in which he/she plans to complete the requirements. Official transcripts from all colleges previously attended should be submitted as part of the graduation evaluation process. Applicants are notified by mail of their eligibility for the degree.

Commencement exercises for August and December graduates and candidates for May graduation are held at the close of the semester in May. The graduation date is recorded on the student's permanent record at the end of the semester in which the requirements are met. Diplomas are mailed approximately four weeks later.

Associate Degree for Transfer

The Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T) are Associate Degrees designed to prepare students for transfer to the CSU system and earn an Associate Degree using the same requirements. They are intended to make it easier for CSU-bound students to successfully transfer by having universal lower-division major requirements for all 23 CSU campuses. Students can prepare to transfer to the CSU system using just one set of preparation courses for their major rather than having to meet different requirements for multiple campuses.

- In general, the Associate Degrees for Transfer offer a streamlined process for those transferring to the CSU system. There are other benefits as well:
  - Guaranteed priority admission with junior status to a CSU campus with a "similar" major;
  - GPA bump of .10 or .20 when applying to an impacted campus or major;
  - After transfer to CSU, guaranteed degree completion within 60 semester units at the CSU.

Associate Degree for Transfer (A.A.-T OR A.S.-T)

1. Complete 60 semester units that are eligible for transfer to the California State University, including both of the following:
   a. Cal-GETC General Education (https://articulation.santarosa.edu/sites/articulation.santarosa.edu/files/documents/Cal-GETC_Certification_Form%20SRJC%2006.15.26.pdf)
      i. (C- grades will not be accepted for Cal-GETC General Education)
   b. The Minimum degree specific semester units as required for each Associate in Arts or Associate in Science Transfer major, earning a grade of "C" or better in all courses required for the major.
2. Obtain an overall minimum grade point average of 2.0.
3. Residence Requirement: A student must be enrolled during the semester in which the degree is granted. A minimum of 12 units must be completed at Santa Rosa Junior College.

Students with older catalog rights (Academic year 2024-2025 and prior) who have maintained catalog rights, or that have continuing enrollment in a California Community College or a California State University prior to Fall 2025, may follow older General Education patterns such as the CSU or IGETC Patterns. You can see prior Academic Year GE Patterns here (https://articulation.santarosa.edu/ge-breadth) or meet with an SRJC Counselor to discuss your options.

The above requirements must be completed by the end of a Spring Semester if transferring in Fall. Also, please note that a higher GPA is generally required for majors declared impacted or in high demand - please check with a Counselor for more specific information.

General Education Statement of Philosophy

Courses that are designated to fulfill the general education and depth requirements shall meet the following philosophy.

General Education

Santa Rosa Junior College values inclusion, diversity, equity, and anti-racism (IDEA). These values are intentionally and mindfully reflected throughout this policy to ensure that the College's general education courses reflect the diverse perspectives and lived experiences of the College's student body population and are taught by a diverse and highly qualified faculty that is responsive to our students' needs and experiences.

The general education requirements for the Associate degree at Santa Rosa Junior College are intended to provide students with a broad yet integrated and coherent introduction to the skills, knowledge, and insights that are the foundation of a college education, the basis for career development, and the motivation for lifelong learning. The goal of general education is to enable each student to recognize the value of intellectual inquiry, of physical well-being, of personal responsibility, and of ethical behavior; to discover the interdisciplinary nature of knowledge; to find joy in the process of self-discovery and creative expression; and to demonstrate critical awareness of and informed participation in the natural and social worlds in which we live. The intent of the educational ideals embodied in general education courses is to cultivate in each student:

- An understanding of scientific principles and methods of inquiry.
- An understanding of the complex and interdependent world and biosphere in which we live, including the issues that are essential to the long-term well-being of the natural world and to the human community as part of that world.
- Knowledge and appreciation of the arts, ideas, and values expressed in the world's diverse cultural traditions.
- An understanding of history, the political and economic practices of societies, and the social and psychological dimensions of human behavior.
- An appreciation for the unique contributions and experiences of all populations within a plural, multi-racial, and multi-cultural society.
- An understanding and appreciation of the differences and commonalities that exist within the pluralistic society of the United States, including the rights and responsibilities of participating within its democracy.

The completion of general education at Santa Rosa Junior College represents a substantial achievement that has ongoing, lifelong value to the individual and to society.

General Education Requirements

The College shall maintain current listings of general education requirements for the AA/AS degrees and make them available in the College Catalog and the Schedule of Classes. Changes to the general education requirements and to the AA/AS degrees shall be recommended by the Academic Senate and reviewed by the Board of Trustees.

The general education requirements for the California State University system and the Intersegmental General Education Transfer Curriculum (IGETC) are also published in the College Catalog and the Schedule of Classes.

The Superintendent/President shall establish procedures to ensure that courses used to meet general education and associate degree requirements meet the standards in this policy. The procedures shall provide for appropriate Academic Senate advisement.

Policy 4025, Adopted: June 2022

Degree Requirements

A student must fulfill all of the following degree requirements in order to receive an Associate in Arts or an Associate in Science Degree:

General Education Requirements for the Associate's Degree

For updated General Education Course Information, please see an SRJC Counselor or visit:
https://articulation.santarosa.edu/ge-breadth

Major Requirements

To receive an Associate's Degree a student must complete a major course of study of at least 18 college units from the SRJC list of approved majors. A major provides coherence, focus, depth, sequencing, and synthesis of learning. A course may be used to satisfy both a General Education requirement and a major requirement (Title 5, 55806). Within the major, a course may not be used more than one time to meet a major requirement.

A student may submit a request for course substitution for major requirements. The course substitution form for the major is required if the student wishes to use a course for an Associate's Degree major that is different than the curriculum listed in the Catalog and on the Web site. The form can be obtained in the Admissions and Records Office. The student must then submit the form to the appropriate department for approval. Consultation with a counselor is highly recommended to assist the student with the process.

Major programs are listed in this Catalog.

Unit Requirement

A student must complete a minimum of 60 units in courses numbered 1-299. Courses numbered 300-899 are designed to meet a variety of student needs and are not applicable toward Associate's Degree requirements. Students should plan their course of study carefully with the assistance of a college counselor.

Residence Requirement

A student must be enrolled during the semester in which the degree is granted. A minimum of 12 units must be completed at Santa Rosa Junior College.

Scholarship Requirement

A student must have an overall minimum grade point average (GPA) of 2.00 ("C") or better in all Santa Rosa Junior College and transferred coursework submitted toward the degree. For all students admitted for the fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Graduation

To receive the Associate in Arts and/or Associate in Science degree a student must submit an "Application for Degree" at admissions.santarosa.edu/forms (https://admissions.santarosa.edu/forms). Students should submit an application as soon as they have registered for classes in the semester they wish to graduate.

Students are urged to consult a counselor with any questions about degree requirements. Students transferring to a university are encouraged to complete the associate degree.

Official transcripts from all colleges previously attended should be submitted as part of the graduation evaluation process. This process reviews course work completed at SRJC and, if applicable, compares transfer college course work with the SRJC associate degree requirements. Applicants are notified by mail of their eligibility for the degree.

The date for the annual commencement ceremony is available at: https://admissions.santarosa.edu/academic-calendar

Catalog Rights For Majors

Graduation requirements for an Associate's Degree are determined according to the Catalog in effect at the time of initial enrollment. In order to maintain catalog rights, a student must be in continuous enrollment, that is, enrollment in at least one credit course during each successive academic year.

For the purpose of catalog rights, the academic year begins each fall and ends with the subsequent summer session. When a break in enrollment occurs, graduation requirements are determined according to the Catalog in effect when enrollment is resumed. Students may choose to graduate under the Catalog in effect at the time that they apply for the Degree.

Continuous Enrollment

Students who do not remain in continuous enrollment are subject to all academic policies and requirements as stated in the college Catalog in effect at the time of their resumption of enrollment. Continuous enrollment is defined as enrollment in at least one credit course during each successive academic year.

Degree Honors

Degree honors are determined by the student's overall grade point average and includes transfer work submitted to SRJC. A student who has maintained a GPA between 3.20 and 3.39 will be graduated with honors; 3.40 and 3.59, with high honors; and 3.60 or higher, with highest honors.

Additional Associate's Degrees

Students who already possess an associate in science or associate in arts from Santa Rosa Junior College may be awarded an additional degree upon completion of the following:

1. All requirements in a major in a different field of study. Previous coursework may be used.
2. Any new areas of General Education in effect at the time the student re-enrolls if there has been a break in enrollment. (Please refer to Catalog Rights.)

Students seeking an Associate's Degree after having received an Associate's Degree from another regionally accredited community college may be awarded an additional Associate's Degree upon completion of the following:

1. All requirements in a major in a different field of study.
2. Twelve units in residence.
3. SRJC General Education areas not fulfilled at the previous institution.

Students who already possess a Bachelor's Degree or higher from a regionally accredited institution of higher education may be awarded an Associate's Degree upon completion of the following:

1. All requirements in a major in a different field of study.
2. Twelve units in residence.
3. A bachelor's degree or higher from a regionally accredited college in the United States will be accepted as fulfilling the General Education and Library and Information Resources (LIR) requirements for graduation.

Policy 3.2 Revised December 2012

Transfer Credit Evaluation

Lower division credit is accepted for transfer from colleges accredited by recognized regional accrediting associations, but not if it duplicates credit for courses taken at Santa Rosa Junior College.

Official transcripts of all previous schooling should be sent directly to the Admissions and Records Office for evaluation. In-person submittals of official transcripts will only be accepted if delivered in a sealed envelope from the issuing institution. Transcripts will be evaluated after the student submits the Transfer Credit Evaluation Form available online at: http://admissions.santarosa.edu/forms. All transcripts become part of each student's permanent SRJC record and will not be released to other institutions or third parties.

Advanced Placement Credit

Santa Rosa Junior College awards credit for College Entrance Examination Board (CEEB) Advanced Placement (AP) Exams with scores of 3, 4, or 5. Students must have official AP score reports sent by the College Board to the SRJC Office of Admissions, Records, and Enrollment Development for evaluation.

To view the AP Credit Legislative Policy (AB 1985) and the SRJC AP Exam Credit chart listing SRJC course comparability and detailing how AP Exams meet General Education requirements, visit the SRJC Web site at https://articulation.santarosa.edu/students-and-counselors (https://articulation.santarosa.edu/students-and-counselors) and click on "AP Exam Scores Worksheet". Please note that a few departments require a score of 4 or 5 to fulfill specific course requirements or place conditions on the award of credit. GE credit, however, follows policy set forth by AB 1985, requiring only a minimum score of 3 for appropriate GE Areas.

See the section on Assessment in this catalog for information on exemption from placement activities in math, chemistry, or English with AP scores of 3 or higher.

Please consult an SRJC Counselor about AP credit earned prior to 2011-12 or to discuss how AP credit fits into your educational plan. This is especially important for those intending to transfer to a four-year college or university, since each campus determines how AP Exams will apply toward credit in a major.

Military Credit

Four units of credit are granted for honorable completion of basic training of United States military training as evidenced by a copy of the separation paper (DD214) on file in the Admissions and Records Office.

Additional credit for military courses may be granted upon evaluation of course content and as recommended in the American Council on Education Guide. Evidence of completion must be submitted to the Admissions and Records Office.

Credit FOR PRIOR LEARNING

See Credit for Prior Learning (p. 37).

International Baccalaureate Credit

Credit for International Baccalaureate (IB) is granted for a limited number (some) Higher Level IB exams. No credit is granted for the subsidiary level exams. An official IB transcript must be submitted for credit review.

Foreign Coursework

Credit may be awarded for foreign coursework after evaluation by a credentialed evaluation agency and review by the A&R office. A list of agencies recognized by SRJC may be obtained from A&R or the counselor.

Any credit granted by SRJC is subject to re-evaluation by any other college.

For more information, please visit: http://admissions.santarosa.edu/incoming-sending-transcripts-srjc

General Education- 2026-27 Cal-GETC GE

To view the class options for each category, click the symbol next to each section.

AREA 1: English Communication

Three courses: one English Composition, one Critical Thinking and Composition, and one Oral Communication. 9 semester or 12 quarter units.

1A- ENGLISH COMPOSITION (one course — 3 semester units):

Code	Title	Hours/ Units
ENGL 1000	(ENGL C1000) Academic Reading and Writing	4
EMLS 10	College Composition for Multilingual Students	4.5

1B- CRITICAL THINKING (one course — 3 semester units):

Code	Title	Hours/ Units
COMM 9	Critical Thinking and Argumentation	3
ENGL 1001	(ENGL C1001) Critical Thinking and Writing	3
PHIL 5	Critical Thinking/Writing	3

1C- ORAL COMMUNICATION AND CRITICAL THINKING (one course — 3 semester units):

Code	Title	Hours/ Units
COMM 1000	(COMM C1000) Introduction to Public Speaking	3
COMM 4	Survey of Communication	3

AREA 2: Mathematical Concepts and Quantitative Reasoning

One course. 3 semester units minimum.

Code	Title	Hours/ Units
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
MATH 4	Discrete Mathematics	4
MATH 9	Finite Mathematics	4
MATH 10	Nature of Mathematics	3
MATH 16	Business Calculus	4
MATH 25	Precalculus Algebra	4
MATH 27	Precalculus Algebra and Trigonometry	6
PSYC 9	Introduction to Behavioral Sciences Statistics	3
STAT 1000	(STAT C1000) Introduction to Statistics	4

AREA 3: Arts and Humanities

Two courses, one from each subarea. 6 semester units minimum.

3A- ARTS (one course — 3 semester units):

Code	Title	Hours/ Units
ANTH 43	Native American Art and Culture	3
ART 2.3	History of Modern Art in Europe and North America	3
ART 3	Introduction to Art and Design	3
ART 4	Principles of Color	3
ARTH 1.1	Introduction to Art of the Ancient World	3
ARTH 1.2	Global Art from 1500 CE to Present	3
ARTH 1.3	Introduction to Ancient Egyptian Art	3
ARTH 1.4	Introduction to Mesoamerican and Andean Art	3
ARTH 1.5	Ancient Art of the Mediterranean	3
ARTH 1.6	European Art: Medieval and Renaissance	3
ARTH 1.7	Early Modern and Modern Art in Europe and North America	3
ARTH 2.5	Women and Art Since 1500	3
ARTH 1100	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era	3

ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary	3
COMM 2	Introduction to Performance as Communication	3
DANC 2	Survey of Dance History	3
DANC 7	The History of Jazz Dance	3
FMA 4	Introduction to Mass Communication	3
FMA 10	Film Appreciation	4
FMA 14	Early Film History	4
FMA 15	Modern Film History	4
FMA 17	Contemporary World Cinema	4
FMA 44	Media Criticism	3
GD 15	History of Graphic Design	3
MUSC 6.1	Music History and Literature: Antiquity to 1750	3
MUSC 6.2	Music History and Literature: 1750 to Present	3
MUSC 7	Music Appreciation	3
MUSC 8	World Music Appreciation	3
MUSC 9	Jazz Appreciation	3
MUSC 10	Survey of American Music	3
THAR 1	World Theatre Through Time	3
THAR 2	Introduction to Theatre Arts	3
THAR 6	Multicultural Perspectives in American Theatre	3

3B- HUMANITIES (one course — 3 semester units):

Code	Title	Hours/ Units
ANTH 31	Mesoamerican Origins of Latino Culture	3
ARCH 2.1	History of World Architecture: Prehistory to Gothic	3
ARCH 2.2	History of World Architecture: Gothic to 20th Century	3
ARCH 2.3	History of World Architecture: 20th Century to Contemporary	3
ASL 2	Elementary American Sign Language - Part 2	4
ENGL 2	Introduction to the Novel	3
ENGL 3	Introduction to Poetry	3
ENGL 7	Introduction to the Short Story	3
ENGL 9	Global Voices: Contemporary Literature from Around the World	3
ENGL 10	Introduction to Environmental Literature	3
ENGL 11	Introduction to Dramatic Literature	3
ENGL 12	Children's Literature	3
ENGL 14	Dystopian Literature	3
ENGL 22	Ethnic Diversity in American Arts and Literature	3
ENGL 25	Introduction to Linguistics	3
ENGL 27	Introduction to Shakespeare	3
ENGL 30.1	American Literature: Pre-Colonial Period to the Civil War	3
ENGL 30.2	American Literature from 1865 to the Present	3
ENGL 31	African American Literature	3
ENGL 32	Asian American and Pacific Islander American Literature	3
ENGL 33	Chicano/Chicana Arts and Literature	3
ENGL 36	LGBTQ+ Arts and Literature	3
ENGL 46.1	Survey of English Literature Part 1	3
ENGL 46.2	Survey of English Literature Part 2	3
ENGL 1002	(ENGL C1002) Introduction to Literature	3
EMLS 1	Exploration of Migrant Exp and Identities in Lit	4
FMA 6	Media, Culture, and Identity	3
FMA 17	Contemporary World Cinema	4
FREN 2	Elementary French-Part 2	4
FREN 3	Intermediate French-Part 1	4
FREN 4	Intermediate French-Part 2	4
GERM 2	Elementary German-Part 2	4
GERM 3	Intermediate German-Part 1	4
GERM 4	Intermediate German-Part 2	4
HIST 1.1	World History to 1500 C.E.	3
HIST 1.2	World History Since 1500 C.E.	3
HIST 4.1	History of Western Civilization to 1648 C.E.	3
HIST 4.2	History of Western Civilization from 1648 C.E.	3
HUM 4.1	Western Humanities: Arts, Ideas, and Values	3
HUM 5	World Humanities: Arts, Ideas, Values	3
HUM 6	Humanities in the United States	3
HUM 7	Introduction to the Humanities	3
HUM 8	Comparative Mythology	3
HUM 14	Popular Culture in the United States	3
HUM 23	Culture and Values in Latin America and The Caribbean	3
HUM 24	California Culture	3
HUM 25	Monsters	3
HUM 26	Friendship	3
ITAL 2	Elementary Italian-Part 2	4
ITAL 3	Intermediate Italian-Part 1	4
ITAL 4	Intermediate Italian-Part 2	4
PHIL 6	Introduction to Philosophy	3
PHIL 7	Contemporary Moral Issues	3
PHIL 9	Political Philosophy	3
PHIL 10	Philosophy of Peace and Nonviolent Action	3
PHIL 11	Introduction to Asian Philosophy	3
PHIL 12	Environmental Philosophy	3
PHIL 13	Existentialism	3
PHIL 20	History of Western Philosophy: Ancient and Medieval	3
PHIL 21	History of Western Philosophy: Modern	3
RELS 1	Introduction to Religious Studies	3
RELS 2	World Religions	3
RELS 3	History of God	3
RELS 6.66	History of Satan	3
RELS 7	Wisdom Religions of Asia	3
RELS 8	Buddhism	3
RELS 15	Islam	3
RELS 21	The Jewish Bible and the Birth of God	3
RELS 22	Jesus and the Invention of Christianity	3
RELS 32	Religion in America	3
SPAN 2	Elementary Spanish-Part 2	4
SPAN 3	Intermediate Spanish-Part One	4
SPAN 4	Intermediate Spanish-Part 2	4

SPAN 40	Introductory Spanish for Spanish Speakers	4
SPAN 41	Intermediate Spanish for Spanish Speakers	4

AREA 4: Social and Behavioral Sciences

Two courses: two academic disciplines are required. 6 semester units minimum

Code	Title	Hours/ Units
ANTH 2	Cultural Anthropology	3
ANTH 3	Introduction to Archaeology	3
ANTH 4	Ancient Peoples and Society	3
ANTH 5	The Anthropology of Language, Communication, and Culture	3
ANTH 21	American Folklore and Folklife	3
ANTH 30	Anthropology of Globalization	3
ANTH 32	Native Cultures of North America	3
ANTH 34	Native Cultures of California	3
ANTH 42	Cannabis and Culture	3
CHLD 10	Child Growth and Development	3
COMM 7	Intercultural Communication	3
COMM 10	Introduction to Communication Theory	3
COUN 7	Identity and Cultural Diversity	3
COUN 20	Sex and Gender	3
ECON 12	Introduction to Economics and the Environment	3
ECON 2001	(ECON C2001) Principles of Microeconomics	3
ECON 2002	(ECON C2002) Principles of Macroeconomics	3
FMA 6	Media, Culture, and Identity	3
FMA 44	Media Criticism	3
GEOG 3	World Regional Geography	3
GEOG 7	Introduction to Human Geography	3
HIST 5	History of the Modern Middle East	3
HIST 6	The Holocaust	3
HIST 8.1	History of Latin America from Pre-Columbian to 1830	3
HIST 8.2	History of Latin America from 1830 to Present	3
HIST 18.1	History of Women in the United States to 1877	3
HIST 18.2	History of Women in the United States Since 1877	3
HIST 20	History of the US Since 1945	3
HIST 21	Race, Ethnicity and Gender in American Culture	3
HIST 22	History of California	3
HIST 24	United States Environmental History	3
HIST 26	History of Chicanx and Latinx from 1400 to the Present	3
HIST 30	African American History	3
HIST 33	History of Mexico	3
HIST 1001	(HIST C1001) United States History to 1877	3
HIST 1002	(HIST C1002) United States History since 1865	3
KIN 5	Sport and Society	3
KIN 8	Psychological Aspects of Sports Performance	3
POLS 2	Introduction to Comparative Government	3
POLS 10	California State & Local Government	3
POLS 11	Introduction to the Fundamentals of Political Science	3
POLS 12	Environmental Policy and Politics	3
POLS 18	Political Theory	3
POLS 25	Introduction to International Relations	3
POLS 1000	(POLS C1000) American Government and Politics	3
PSYC 3	Human Sexuality	3
PSYC 4	Child and Adolescent Psychology	3
PSYC 7	Theories of Personality	3
PSYC 8	Introduction to Lifespan Psychology	3
PSYC 10	Introduction to Biological Psychology	3
PSYC 11	Introduction to Cognitive Psychology	3
PSYC 14	Introduction to Positive Psychology	3
PSYC 15	Introduction to Psychology of Consciousness	3
PSYC 30	Social Psychology	3
PSYC 34	The Psychology of Prejudice and Discrimination	3
PSYC 35	Psychology of Personal and Social Adjustment	3
PSYC 40	Introduction to Psychology of Gender	3
SOC 1	Introduction to Sociology	3
SOC 2	Modern Social Problems	3
SOC 3	Self and Society	3
SOC 10	Close Relationships and Family Life	3
SOC 15	Introduction to Sociology of Gender	3
SOC 30	Race, Ethnicity, and Inequality	3

AREA 5: Physical and Biological Sciences

At least 2 courses: a minimum of one course in each area is required, and at least one must include a lab. 7 semester units minimum.

5A- PHYSICAL SCIENCE (one course):

Code	Title	Hours/ Units
ASTR 3	Stellar Astronomy	3
ASTR 4	Astronomy of the Solar System	3
ASTR 12	Astronomy Observational Lab	1
ASTR 42	Life in the Universe	3
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3B	General Chemistry Part 2	5
CHEM 8	Introductory Organic Chemistry	5
CHEM 12A	Organic Chemistry	5
CHEM 12B	Organic Chemistry	5
CHEM 42	Introductory General Chemistry	4
ENVS 8	Introduction to Global Climate Change	3
ENVS 12	Introduction to Environmental Science	3
GEOG 4	Physical Geography	3
GEOG 10	Introduction to Weather and Climate	3
GEOL 1	The Earth	3
GEOL 2	Introduction to Oceanography	3
GEOL 11	Geology of California	3
GEOL 20	Natural Disasters	3
MTER 10	Introduction to Weather and Climate	3
PHYS 11	Conceptual Physics	4
PHYS 20A	General Physics Part I	4

PHYS 20B	General Physics Part II	4
PHYS 40	Classical Mechanics for Scientists and Engineers	5
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers	4
PHYS 42	Electricity and Magnetism for Scientists and Engineers	4
PHSC 21	Introduction to Earth Science	4

5B- BIOLOGICAL SCIENCE (one course):

Code	Title	Hours/ Units
AGRI 20	Introduction to Plant Science	4
ANAT 1	General Human Anatomy	5
ANAT 40	Introduction to Human Anatomy and Physiology	4
ANTH 1	Biological Anthropology	3
ANTH 19	Forensic Anthropology	3
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	5
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)	5
BIO 2.3	Fundamentals of Biology (Botany and Ecology)	5
BIO 10	Introduction to Principles of Biology	4
BIO 12	Basic Concepts of Ecology	3
BIO 13	Human Biology	3
BIO 14	Current Issues in Biology	3
BIO 16	Introduction to Biology For Non-Majors	4
BIO 20	Human Genetics	3
BIO 25	Marine Biology	4
BIO 27	Biology of Marine Mammals	3
BIO 31	Tropical Biodiversity and Conservation	2
BTNY 10	Plant Biology	4
MICR 5	General Microbiology	5
PHYZ 1	Human Physiology	5

5C- LABORATORY (one course):

At least one course from 5A or 5B must include a lab, or take a corresponding laboratory course.
ASTR 12 only fulfills Area 5C if taken with ASTR 3, 4, or 42.

Code	Title	Hours/ Units
AGRI 20	Introduction to Plant Science	4
ANAT 1	General Human Anatomy	5
ANAT 40	Introduction to Human Anatomy and Physiology	4
ASTR 3L	Stellar Astronomy Laboratory	1
ASTR 4L	Solar System Astronomy Laboratory	1
ASTR 12	Astronomy Observational Lab	1
ANTH 1L	Biological Anthropology Lab	1
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	5
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)	5
BIO 2.3	Fundamentals of Biology (Botany and Ecology)	5
BIO 10	Introduction to Principles of Biology	4
BIO 16	Introduction to Biology For Non-Majors	4
BIO 25	Marine Biology	4
BTNY 10	Plant Biology	4
CHEM 3AL	General Chemistry Part 1: Lab	2
CHEM 3B	General Chemistry Part 2	5
CHEM 8	Introductory Organic Chemistry	5
CHEM 12A	Organic Chemistry	5
CHEM 12B	Organic Chemistry	5
CHEM 42	Introductory General Chemistry	4
GEOG 4L	Physical Geography Lab	1
GEOG 10L	Weather and Climate Lab	1
GEOL 1L	Geology Lab	1
MICR 5	General Microbiology	5
MTER 10L	Weather and Climate Lab	1
PHSC 21	Introduction to Earth Science	4
PHYS 11	Conceptual Physics	4
PHYS 20A	General Physics Part I	4
PHYS 20B	General Physics Part II	4
PHYS 40	Classical Mechanics for Scientists and Engineers	5
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers	4
PHYS 42	Electricity and Magnetism for Scientists and Engineers	4
PHYZ 1	Human Physiology	5

AREA 6: Ethnic Studies

One course. 3 semester units minimum

Code	Title	Hours/ Units
ETHS 20	Introduction to Ethnic Studies	3
ETHS 21	Introduction to African-American Studies	3
ETHS 22	Introduction to Asian American Studies	3
ETHS 23	Introduction to Chicanx and Latinx Studies	3
ETHS 24	Introduction to Native American Studies	3
ETHS 25	The American Indian and the U.S. Political System	3
ETHS 26	The Original Californians	3
ETHS 27	American Indians Today	3

optional GE - can be completed prior to transfer for graduation requirements

The following areas are not required of Cal-GETC Certification, but can be completed prior to transfer towards CSU or UC Graduation Requirements.

CSU GRADUATION REQUIREMENT US-1: U.S. HISTORY

(Not part of Cal-GETC; may be completed prior to transfer) CSU transfer students complete two courses: one course from U.S. History (US-1) and one course that fulfills both U.S. Constitution and California State & local Government (US-2 and US-3). This CSU graduation requirement is not part of Cal-GETC, however, it may be completed prior to transfer. All CSU's allow these courses to double-count in Area 4 if certified by SRJC. AP exams in U.S. History and U.S. Government & Politics may fulfill US-1 and US-2; US-3 cannot be met with AP credit.

Code	Title	Hours/ Units
HIST 18.1	History of Women in the United States to 1877	3
HIST 18.2	History of Women in the United States Since 1877	3
HIST 21	Race, Ethnicity and Gender in American Culture	3
HIST 26	History of Chicanx and Latinx from 1400 to the Present If taken FALL 2024 or after	3
HIST 30	African American History If taken FALL 2023 or after	3
HIST 1001	(HIST C1001) United States History to 1877	3
HIST 1002	(HIST C1002) United States History since 1865	3

CSU GRADUATION REQUIREMENT US-2 + US-3: U.S. CONSTITUTION & AMERICAN IDEALS

(Not part of Cal-GETC; may be completed prior to transfer) CSU transfer students complete two courses: one course from U.S. History (US-1) and one course that fulfills both U.S. Constitution and California State & local Government (US-2 and US-3). This CSU graduation requirement is not part of Cal-GETC, however, it may be completed prior to transfer. All CSU's allow these courses to double-count in Area 4 if certified by SRJC. AP exams in U.S. History and U.S. Government & Politics may fulfill US-1 and US-2; US-3 cannot be met with AP credit.

Code	Title	Hours/ Units
POLS 1000	(POLS C1000) American Government and Politics	3

UC GRADUATION REQUIREMENT LANGUAGE OTHER THAN ENGLISH

(Not part of Cal-GETC; may be completed prior to transfer)

UC transfer students complete ONE of the following to demonstrate proficiency in a language other than English:

• One of these courses at SRJC: ASL 1[F96] CHIN 1[F19], 2[F19] FREN 1 GERM 1 ITAL 1 JAPN 1[F19], 2 [F19] SPAN 1, 40, 41 (Completion of an advanced course, such as FREN 2 or SPAN 3, validates proficiency and can be used to clear this area.)

• Two years of high school coursework in one language other than English with a final term grade of "C-" or better. (Transcript must be on file with A & R)

• Score of 3 or higher on a College Board Advanced Placement (AP) Exam in a language other than English (Score must be sent to A & R)

• Satisfactory score on the SAT II Subject Test in languages other than English (Score must be on file with A & R) • Score of 5 or higher on an International Baccalaureate (IB) Higher Level Exam in a language other than English (Score must be on file with A & R)

• Satisfactory completion of an achievement test administered by a community college, university or other college

• Two years of formal schooling at the sixth grade level or higher with grades of "C" or better in an institution where the language of instruction is not English

• Language other than English International "A" level exam (score of 5, 6, or 7) or "O" level exam (grade of A, B, or C)

• Defense Language Institute language other than English course passed with "C" or higher on the official transcript

• Faculty (Verification must be on file in A & R Office)

General Education- 2026-27 SRJC Associate Degree Graduation Requirements (Local GE)

LOCAL AREA 1: ENGLISH COMMUNICATION

Two courses, one from each subarea — 6 semester units minimum

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L1A- ENGLISH COMPOSITION (one course – 3 semester units):
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Code	Title	Hours/ Units
ENGL 1000	(ENGL C1000) Academic Reading and Writing	4
EMLS 10	College Composition for Multilingual Students	4.5

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L1B- ORAL COMMUNICATION AND CRITICAL THINKING (one course – 3
 semester units):
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Code	Title	Hours/ Units
BMG 53	Oral Communication in Organizations	3
COMM 1000	(COMM C1000) Introduction to Public Speaking	3
COMM 3	Introduction to Argumentation	3
COMM 4	Survey of Communication	3
COMM 5	Group Discussion and Problem Solving	3
COMM 6	Interpersonal Communication	3
COMM 9	Critical Thinking and Argumentation	3
CS 5	Computer Literacy	3
ENGL 1001	(ENGL C1001) Critical Thinking and Writing	3
PHIL 3	Critical Thinking	3
PHIL 4	Introduction to Symbolic Logic	3
PHIL 5	Critical Thinking/Writing	3

LOCAL AREA 2 – MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

One course — 3 semester units minimum

Code	Title	Hours/ Units
CS 8	Foundations of Data Science	4
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
MATH 4	Discrete Mathematics	4
MATH 8	Foundations of Data Science	4
MATH 9	Finite Mathematics	4
MATH 10	Nature of Mathematics	3
MATH 16	Business Calculus	4
MATH 25	Precalculus Algebra	4
MATH 27	Precalculus Algebra and Trigonometry	6
MATH 58	Precalculus Trigonometry	3
MATH 74	Mathematics for Elementary School Teachers - Number Systems	4

MATH 101	Mathematics for the Associate Degree	3
PSYC 9	Introduction to Behavioral Sciences Statistics	3
STAT 1000	(STAT C1000) Introduction to Statistics	4

LOCAL AREA 3 – ARTS AND HUMANITIES

One course — 3 semester units minimum

Code	Title	Hours/ Units
ANTH 31	Mesoamerican Origins of Latino Culture	3
ANTH 43	Native American Art and Culture	3
ARCH 2.1	History of World Architecture: Prehistory to Gothic	3
ARCH 2.2	History of World Architecture: Gothic to 20th Century	3
ARCH 2.3	History of World Architecture: 20th Century to Contemporary	3
ART 2.3	History of Modern Art in Europe and North America	3
ART 3	Introduction to Art and Design	3
ART 4	Principles of Color	3
ART 5	Three Dimensional Design	3
ART 7A	Drawing and Composition 1	3
ART 39	Visual Theory and Practice-Ceramic Arts	3
ART 69	Introduction to Cartooning and Sequential Art	3
ARTH 1.1	Introduction to Art of the Ancient World	3
ARTH 1.2	Global Art from 1500 CE to Present	3
ARTH 1.3	Introduction to Ancient Egyptian Art	3
ARTH 1.4	Introduction to Mesoamerican and Andean Art	3
ARTH 1.5	Ancient Art of the Mediterranean	3
ARTH 1.6	European Art: Medieval and Renaissance	3
ARTH 1.7	Early Modern and Modern Art in Europe and North America	3
ARTH 2.5	Women and Art Since 1500	3
ARTH 1100	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era	3
ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary	3
ASL 1	Elementary American Sign Language - Part 1	4
ASL 2	Elementary American Sign Language - Part 2	4
ASL 3	Intermediate American Sign Language - Part 1	4
ASL 4	Intermediate American Sign Language - Part 2	4
CHIN 1	Elementary Chinese - Part 1	4
CHIN 2	Elementary Chinese - Part 2	4
COMM 2	Introduction to Performance as Communication	3
CS 40	History of Games	3
DANC 2	Survey of Dance History	3
DANC 7	The History of Jazz Dance	3
DSS 11	Disability and Identity	3
EMLS 1	Exploration of Migrant Exp and Identities in Lit	4
EMLS 20	Research Writing for Multilingual Students	4.5
EMLS 30	Advanced Critical Reading/Writing for Multilingual Students	6
ENGL 2	Introduction to the Novel	3
ENGL 3	Introduction to Poetry	3
ENGL 7	Introduction to the Short Story	3
ENGL 9	Global Voices: Contemporary Literature from Around the World	3
ENGL 10	Introduction to Environmental Literature	3
ENGL 11	Introduction to Dramatic Literature	3
ENGL 12	Children's Literature	3
ENGL 14	Dystopian Literature	3
ENGL 22	Ethnic Diversity in American Arts and Literature	3
ENGL 25	Introduction to Linguistics	3
ENGL 27	Introduction to Shakespeare	3
ENGL 30.1	American Literature: Pre-Colonial Period to the Civil War	3
ENGL 30.2	American Literature from 1865 to the Present	3
ENGL 31	African American Literature	3
ENGL 32	Asian American and Pacific Islander American Literature	3
ENGL 33	Chicano/Chicana Arts and Literature	3
ENGL 36	LGBTQ+ Arts and Literature	3
ENGL 46.1	Survey of English Literature Part 1	3
ENGL 46.2	Survey of English Literature Part 2	3
ENGL 1002	(ENGL C1002) Introduction to Literature	3
FMA 4	Introduction to Mass Communication	3
FMA 6	Media, Culture, and Identity	3
FMA 10	Film Appreciation	4
FMA 14	Early Film History	4
FMA 15	Modern Film History	4
FMA 17	Contemporary World Cinema	4
FMA 44	Media Criticism	3
FREN 1	Elementary French-Part 1	4
FREN 2	Elementary French-Part 2	4
FREN 3	Intermediate French-Part 1	4
FREN 4	Intermediate French-Part 2	4
GD 15	History of Graphic Design	3
GERM 1	Elementary German-Part 1	4
GERM 2	Elementary German-Part 2	4
GERM 3	Intermediate German-Part 1	4
GERM 4	Intermediate German-Part 2	4
HIST 1.1	World History to 1500 C.E.	3
HIST 1.2	World History Since 1500 C.E.	3
HIST 4.1	History of Western Civilization to 1648 C.E.	3
HIST 4.2	History of Western Civilization from 1648 C.E.	3
HIST 18.1	History of Women in the United States to 1877	3
HIST 18.2	History of Women in the United States Since 1877	3
HIST 24	United States Environmental History	3
HIST 1001	(HIST C1001) United States History to 1877	3
HIST 1002	(HIST C1002) United States History since 1865	3
HUM 4.1	Western Humanities: Arts, Ideas, and Values	3
HUM 5	World Humanities: Arts, Ideas, Values	3
HUM 6	Humanities in the United States	3
HUM 7	Introduction to the Humanities	3
HUM 8	Comparative Mythology	3
HUM 14	Popular Culture in the United States	3
HUM 23	Culture and Values in Latin America and The Caribbean	3

HUM 24	California Culture	3
HUM 25	Monsters	3
HUM 26	Friendship	3
HUM 51	Money, Wealth, and Success in America	3
INDE 62	History of Interior Design	3
ITAL 1	Elementary Italian-Part 1	4
ITAL 2	Elementary Italian-Part 2	4
ITAL 3	Intermediate Italian-Part 1	4
ITAL 4	Intermediate Italian-Part 2	4
JAPN 1	Elementary Japanese - Part 1	4
JAPN 2	Elementary Japanese - Part 2	4
KIN 7	Sport Films and Society	3
MUSC 2A	Music Theory 1	3
MUSC 6.1	Music History and Literature: Antiquity to 1750	3
MUSC 6.2	Music History and Literature: 1750 to Present	3
MUSC 7	Music Appreciation	3
MUSC 8	World Music Appreciation	3
MUSC 9	Jazz Appreciation	3
MUSC 10	Survey of American Music	3
PHIL 6	Introduction to Philosophy	3
PHIL 7	Contemporary Moral Issues	3
PHIL 9	Political Philosophy	3
PHIL 10	Philosophy of Peace and Nonviolent Action	3
PHIL 11	Introduction to Asian Philosophy	3
PHIL 12	Environmental Philosophy	3
PHIL 13	Existentialism	3
PHIL 20	History of Western Philosophy: Ancient and Medieval	3
PHIL 21	History of Western Philosophy: Modern	3
RELS 1	Introduction to Religious Studies	3
RELS 2	World Religions	3
RELS 3	History of God	3
RELS 6.66	History of Satan	3
RELS 7	Wisdom Religions of Asia	3
RELS 8	Buddhism	3
RELS 15	Islam	3
RELS 21	The Jewish Bible and the Birth of God	3
RELS 22	Jesus and the Invention of Christianity	3
RELS 32	Religion in America	3
SPAN 1	Elementary Spanish-Part 1	4
SPAN 2	Elementary Spanish-Part 2	4
SPAN 3	Intermediate Spanish-Part One	4
SPAN 4	Intermediate Spanish-Part 2	4
SPAN 40	Introductory Spanish for Spanish Speakers	4
SPAN 41	Intermediate Spanish for Spanish Speakers	4
THAR 1	World Theatre Through Time	3
THAR 2	Introduction to Theatre Arts	3
THAR 6	Multicultural Perspectives in American Theatre	3

LOCAL AREA 4 – SOCIAL AND BEHAVIORAL SCIENCES

One course — 3 semester units minimum

Code	Title	Hours/ Units
AJ 25	Community Relations	3
AJ 26	Crime and Criminal Justice in Society	3
AGBU 7	Agricultural Economics	3
ANTH 2	Cultural Anthropology	3
ANTH 3	Introduction to Archaeology	3
ANTH 4	Ancient Peoples and Society	3
ANTH 5	The Anthropology of Language, Communication, and Culture	3
ANTH 21	American Folklore and Folklife	3
ANTH 30	Anthropology of Globalization	3
ANTH 32	Native Cultures of North America	3
ANTH 34	Native Cultures of California	3
ANTH 42	Cannabis and Culture	3
BAD 10	American Business in Its Global Context	3
CHLD 10	Child Growth and Development	3
CHLD 68	Working With Children and Families in a Diverse Society	3
CHLD 90.1	Child, Family, Community Interrelationships	3
COMM 5	Group Discussion and Problem Solving	3
COMM 6	Interpersonal Communication	3
COMM 7	Intercultural Communication	3
COMM 10	Introduction to Communication Theory	3
COUN 7	Identity and Cultural Diversity	3
COUN 20	Sex and Gender	3
DSS 8	Disability, Culture, and Equity Lecture Series	3
DSS 11	Disability and Identity	3
DSS 12	Universal Access: Disability,Technology and Society	3
ECON 12	Introduction to Economics and the Environment	3
ECON 2001	(ECON C2001) Principles of Microeconomics	3
ECON 2002	(ECON C2002) Principles of Macroeconomics	3
FMA 6	Media, Culture, and Identity	3
FMA 11	Communication through Game Design	3
FMA 16	Film Genres	4
FMA 44	Media Criticism	3
FDNT 20	Cultural Aspects of Food and Nutrition	3
GEOG 3	World Regional Geography	3
GEOG 7	Introduction to Human Geography	3
HIST 5	History of the Modern Middle East	3
HIST 6	The Holocaust	3
HIST 8.1	History of Latin America from Pre-Columbian to 1830	3
HIST 8.2	History of Latin America from 1830 to Present	3
HIST 18.1	History of Women in the United States to 1877	3
HIST 18.2	History of Women in the United States Since 1877	3
HIST 20	History of the US Since 1945	3
HIST 21	Race, Ethnicity and Gender in American Culture	3
HIST 22	History of California	3
HIST 24	United States Environmental History	3
HIST 26	History of Chicanx and Latinx from 1400 to the Present	3

HIST 30	African American History	3
HIST 1001	(HIST C1001) United States History to 1877	3
HIST 1002	(HIST C1002) United States History since 1865	3
KIN 5	Sport and Society	3
KIN 8	Psychological Aspects of Sports Performance	3
KIN 9	Ethics in Sports	3
KIN 10	Theory of Coaching Sports	3
KIN 11	Women in Sports	3
POLS 2	Introduction to Comparative Government	3
POLS 10	California State & Local Government	3
POLS 11	Introduction to the Fundamentals of Political Science	3
POLS 12	Environmental Policy and Politics	3
POLS 18	Political Theory	3
POLS 25	Introduction to International Relations	3
POLS 1000	(POLS C1000) American Government and Politics	3
PSYC 3	Human Sexuality	3
PSYC 4	Child and Adolescent Psychology	3
PSYC 5	Abnormal Psychology	3
PSYC 7	Theories of Personality	3
PSYC 8	Introduction to Lifespan Psychology	3
PSYC 10	Introduction to Biological Psychology	3
PSYC 11	Introduction to Cognitive Psychology	3
PSYC 14	Introduction to Positive Psychology	3
PSYC 15	Introduction to Psychology of Consciousness	3
PSYC 30	Social Psychology	3
PSYC 34	The Psychology of Prejudice and Discrimination	3
PSYC 35	Psychology of Personal and Social Adjustment	3
PSYC 40	Introduction to Psychology of Gender	3
PSYC 46	Aging, Dying and Death	3
PSYC 1000	(PSYC C1000) Introduction to Psychology	3
SOC 1	Introduction to Sociology	3
SOC 2	Modern Social Problems	3
SOC 3	Self and Society	3
SOC 10	Close Relationships and Family Life	3
SOC 15	Introduction to Sociology of Gender	3
SOC 30	Race, Ethnicity, and Inequality	3

LOCAL AREA 5 – PHYSICAL AND BIOLOGICAL SCIENCES

One course — 3 semester units minimum

Code	Title	Hours/ Units
AGRI 20	Introduction to Plant Science	4
AGRI 30	Introduction to Soil Science	3
ANAT 1	General Human Anatomy	5
ANAT 40	Introduction to Human Anatomy and Physiology	4
ANAT 58	Introduction to Human Anatomy	3
ANSC 20	Basic Animal Science	3
ANTH 1	Biological Anthropology	3
ANTH 19	Forensic Anthropology	3
ASTR 3	Stellar Astronomy	3
ASTR 4	Astronomy of the Solar System	3
ASTR 42	Life in the Universe	3
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	5
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)	5
BIO 2.3	Fundamentals of Biology (Botany and Ecology)	5
BIO 10	Introduction to Principles of Biology	4
BIO 12	Basic Concepts of Ecology	3
BIO 13	Human Biology	3
BIO 14	Current Issues in Biology	3
BIO 16	Introduction to Biology For Non-Majors	4
BIO 20	Human Genetics	3
BIO 25	Marine Biology	4
BIO 27	Biology of Marine Mammals	3
BIO 31	Tropical Biodiversity and Conservation	2
BTNY 10	Plant Biology	4
BTNY 40	Field Botany	4
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3B	General Chemistry Part 2	5
CHEM 42	Introductory General Chemistry	4
CHEM 60	General, Organic and Biological Chemistry	5
ENVS 8	Introduction to Global Climate Change	3
ENVS 12	Introduction to Environmental Science	3
FDNT 10	Elementary Nutrition	3
GEOG 4	Physical Geography	3
GEOG 10	Introduction to Weather and Climate	3
GEOL 1	The Earth	3
GEOL 2	Introduction to Oceanography	3
GEOL 11	Geology of California	3
GEOL 20	Natural Disasters	3
MTER 10	Introduction to Weather and Climate	3
MICR 5	General Microbiology	5
MICR 60	Fundamentals of Microbiology	4
NRM 12	Introduction to Environmental Conservation	3
NRM 51	Wildland Trees and Shrubs	3
PHYS 1	Introduction to Physics Problem Solving	3
PHYS 11	Conceptual Physics	4
PHYS 20A	General Physics Part I	4
PHYS 20B	General Physics Part II	4
PHYS 40	Classical Mechanics for Scientists and Engineers	5
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers	4
PHYS 42	Electricity and Magnetism for Scientists and Engineers	4
PHSC 21	Introduction to Earth Science	4
PHYZ 1	Human Physiology	5
PHYZ 58	Introduction to Human Physiology	3
PSYC 10	Introduction to Biological Psychology	3
SUAG 5	Introduction to Sustainable Agriculture	3

LOCAL AREA 6 – ETHNIC STUDIES

One course — 3 semester units minimum

Code	Title	Hours/ Units
ETHS 20	Introduction to Ethnic Studies	3
ETHS 21	Introduction to African-American Studies	3
ETHS 22	Introduction to Asian American Studies	3
ETHS 23	Introduction to Chicanx and Latinx Studies	3
ETHS 24	Introduction to Native American Studies	3
ETHS 25	The American Indian and the U.S. Political System	3
ETHS 26	The Original Californians	3
ETHS 27	American Indians Today	3

SRJC Graduation Requirements:

6-unit minimum requirement; one course from each GE area below, which can double count within Areas 1-6 as approved

LOCAL AREA 7 – AMERICAN INSTITUTIONS

One course — 3 semester units minimum

Code	Title	Hours/ Units
HIST 18.1	History of Women in the United States to 1877	3
HIST 18.2	History of Women in the United States Since 1877	3
HIST 21	Race, Ethnicity and Gender in American Culture	3
HIST 24	United States Environmental History	3
HIST 26	History of Chicanx and Latinx from 1400 to the Present	3
HIST 30	African American History	3
HIST 1001	(HIST C1001) United States History to 1877	3
HIST 1002	(HIST C1002) United States History since 1865	3
POLS 1000	(POLS C1000) American Government and Politics	3

LOCAL AREA 8- STUDENT SUCCESS AND WELLNESS

3 semester units minimum

Code	Title	Hours/ Units
BAD 52	Human Relations in Organizations	3
CHLD 10	Child Growth and Development	3
CHLD 90.1	Child, Family, Community Interrelationships	3
COMM 5	Group Discussion and Problem Solving	3
COMM 6	Interpersonal Communication	3
COUN 6	Introduction to Career Development	3
COUN 10	Student Success-The First Year Experience	3
COUN 20	Sex and Gender	3
COUN 53	Strategies for College Success	3
FDNT 10	Elementary Nutrition	3
HLE 5	Personal Health and Wellness	3
KINA 1	Introduction to Swimming	1.5
KINA 1.1	Beginning Swimming	1.5
KINA 1.2	Intermediate Swimming	1.5
KINA 1.3	Advanced Swimming	1.5
KINA 1.4	Training for the Competitive Swimmer	1.5
KINA 2.1	Aquatic Fitness	1.5
KINA 2.3	Advanced Aquatic Fitness	1.5
KINA 3.1	Beginning Aquatic Calisthenics	1.5
KINA 3.2	Intermediate Aquatic Calisthenics	1.5
KINA 4.1	Deep Water Running	1.5
KINA 10.1	Beginning Springboard Diving	1.5
KINA 10.2	Intermediate Springboard Diving	1.5
KINA 12.1	Beginning Water Polo	1.5
KINA 12.3	Training for Competitive Water Polo	1.5
KINA 21	Lifeguard Training	0.5
KINA 61	Lap Swimming Fundamentals	0.5-1.5
KINA 62	Lap Swimming Technical Training	0.5-1.5
KINA 63	Lap Swimming Program Design	0.5-1.5
KINA 64	Lap Swimming Competition Preparation	0.5-1.5
KINC 1.1	Tai Chi - Chen Style	1.5
KINC 1.2	Tai Chi - Yang Style	1.5
KINC 1.3	Tai Chi - Wudang Style	1.5
KINC 1.4	Tai Chi - Sword	1.5
KINC 2.1	Beginning Judo	1.5
KINC 2.2	Intermediate Judo	1.5
KINC 2.3	Advanced Judo	1.5
KINC 4	Introduction to Boxing	1.5
KINC 4.1	Beginning Boxing	1.5
KINC 4.2	Intermediate Boxing	1.5
KINC 4.3	Advanced Boxing	1.5
KINC 10	Personal Safety & Self Defense	1.5
KFIT 1.1	Beginning Aerobic Dance	1.5
KFIT 1.2	Intermediate Aerobic Dance	1.5
KFIT 2.1	Beginning Step Aerobics	1.5
KFIT 2.2	Intermediate Step Aerobics	1.5
KFIT 3.1	Beginning Body Conditioning	1.5
KFIT 3.2	Intermediate Body Conditioning	1.5
KFIT 3.3	Advanced Body Conditioning	1.5
KFIT 4.1	Body Mechanics	1.5
KFIT 5	Introduction to Pilates Mat	1.5
KFIT 5.1	Beginning Pilates Mat	1.5
KFIT 5.2	Intermediate Pilates Mat	1.5
KFIT 5.3	Advanced Pilates Mat	1.5
KFIT 6	Introduction to Yoga	1.5
KFIT 6.1	Beginning Yoga	1.5
KFIT 6.2	Intermediate Yoga	1.5
KFIT 6.3	Advanced Yoga	1.5
KFIT 7.1	Beginning Circuit Training	1.5
KFIT 7.2	Circuit Training Intermediate	1.5
KFIT 8	Introduction to Weight Lifting	1.5
KFIT 8.1	Beginning Weight Lifting	1.5
KFIT 8.2	Intermediate Weight Training	1.5
KFIT 9	Introduction to Hiking	1-1.5
KFIT 9.1	Beginning Hiking	1-1.5
KFIT 9.2	Intermediate Hiking	1-1.5
KFIT 9.3	Advanced Hiking	1-1.5
KFIT 10.1	Resistance Training	1.5
KFIT 11.1	Periodized Weight Training	1.5
KFIT 12.1	Power Lifting	1.5
KFIT 15.1	Personal Fitness Activities	1.5

KFIT 16.1	Plyometrics, Speed and Agility	1.5
KFIT 17.1	Interval Training	1.5
KFIT 20.1	ZUMBA	1.5
KFIT 21.1	Cardio Kickboxing	1.5
KFIT 25.1	Vinyasa Flow Yoga	1.5
KFIT 26.1	Gentle Yoga	1.5
KFIT 30.1	Stability Ball Training	1.5
KFIT 31.1	Pilates Yoga Fusion	1.5
KFIT 32	Introduction to Barre Fitness	1.5
KFIT 32.1	Beginning Barre Fitness	1.5
KFIT 32.2	Intermediate Barre Fitness	1.5
KFIT 32.3	Advanced Barre Fitness	1.5
KFIT 35.1	Walking for Fitness	1.5
KFIT 36.1	Jogging for Fitness	1.5
KFIT 37	Introduction to Boot Camp Training	1.5
KFIT 37.1	Boot Camp	1.5
KFIT 50	Teaching Aide	1-2
KFIT 61	Personal Fitness Training	0.5-1.5
KFIT 62	Personal Fitness Technique	0.5-1.5
KFIT 63	Personal Fitness Health and Wellness	0.5-1.5
KFIT 64	Personal Fitness Program Design	0.5-1.5
KINI 2.1	Beginning Badminton	1.5
KINI 2.2	Intermediate Badminton	1.5
KINI 2.3	Advanced Badminton	1.5
KINI 3.1	Beginning Golf	1.5
KINI 3.2	Intermediate Golf	1.5
KINI 3.3	Advanced Golf	1
KINI 4.1	Beginning Tennis	1.5
KINI 4.2	Intermediate Tennis	1.5
KINI 4.3	Advanced Tennis	1.5
KINI 79.1	Introduction to Pickleball	1.5
KINI 79.2	Intermediate Pickleball	1.5
KINI 79.3	Advanced Pickleball	1.5
KINT 1.1	Football Passing Game	1
KINT 2.1	Touch Football	1
KINT 4	Introduction to Basketball	1.5
KINT 4.1	Beginning Basketball	1.5
KINT 4.2	Intermediate Basketball	1.5
KINT 4.3	Advanced Basketball	1.5
KINT 6.1	Beginning Soccer	1.5
KINT 6.2	Intermediate Soccer	1.5
KINT 6.3	Advanced Soccer	1.5
KINT 7	Introductory Indoor Soccer	1.5
KINT 7.1	Indoor Soccer	1.5
KINT 7.2	Intermediate Indoor Soccer	1.5
KINT 7.3	Advanced Indoor Soccer	1.5
KINT 8	Introductory Volleyball	1.5
KINT 8.1	Beginning Volleyball	1.5
KINT 8.2	Intermediate Volleyball	1.5
KINT 8.3	Advanced Volleyball	1.5
KINT 9	Introductory Outdoor Volleyball	1
KINT 9.1	Beginning Outdoor Volleyball	1
KINT 9.2	Intermediate Outdoor Volleyball	1
KINT 9.3	Advanced Outdoor Volleyball	1
KINT 10	Introductory Volleyball Quads	1.5
KINT 10.1	Beginning Volleyball Quads	1.5
KINT 10.2	Intermediate Volleyball Quads	1.5
KINT 10.3	Advanced Volleyball Quads	1.5
KIN 1	Introduction to Kinesiology	3
KIN 2	Sports Officiating Fall	3
KIN 3	Sports Officiating Spring	3
KIN 4	Introduction to Sports Medicine	3
KIN 5	Sport and Society	3
KIN 6	Standard First Aid, CPR, and AED	1
KIN 7	Sport Films and Society	3
KIN 8	Psychological Aspects of Sports Performance	3
KIN 9	Ethics in Sports	3
KIN 10	Theory of Coaching Sports	3
KIN 11	Women in Sports	3
KIN 49	Independent Study in Kinesiology, Athletics and/or Dance	0.5-3
KIN 50.1	Fitness Teaching Practicum	1
KIN 50.2	Yoga Teaching Practicum	1
KIN 50.3	Pilates Mat Teaching Practicum	1
KIN 50.4	Pilates Reformer Teaching Practicum	1
KIN 50.5	Pilates Apparatus Teaching Practicum	1
KIN 53	Principles of Health and Wellness	3
KIN 62A	Sports Medicine Experience A	2
KIN 62B	Sports Medicine Experience B	2
KIN 62C	Sports Medicine Experience C	2
KIN 62D	Sports Medicine Experience D	2
KIN 63	Sports Medicine: Lower Body Injuries	3
KIN 64	Sports Medicine: Upper Body Injuries	3
KIN 70	Yoga Techniques, Training, and Practice I	3
KIN 71	Yoga Techniques, Training, and Practice II	2
KIN 72	Yoga Teaching Methodology	1
KIN 73	Anatomy and Physiology for Yoga Teachers	2
KIN 74	Yoga Philosophy, Lifestyle, and Ethics	2
KIN 80	Introduction to Applied Kinesiology and Anatomy	3
KIN 81	Intro to Exercise Physiology, Assessment, and Program Design	3
KIN 82	Exercise Assessment and Prescription	3
KIN 83	Techniques of Fitness Instruction	3
KIN 84	Health and Wellness Coaching	3
KIN 90	Pilates Teaching Methodology and Principles	2
KIN 91	Pilates Mat Instructor Training	3
KIN 92	Pilates Reformer Instructor Training	3
KIN 93	Pilates Apparatus Instructor Training	2
DANC 2	Survey of Dance History	3
DANC 3.1	Choreography I	1.5
DANC 7	The History of Jazz Dance	3
DANC 10.1	Introduction to Dance Movement	1.5
DANC 10.2	Introduction to Dance Genres: Ballet, Modern, Jazz	1.5
DANC 11.1	Ballet I	1.5

DANC 11.2	Ballet II	1.5
DANC 11.3	Ballet III	1.5
DANC 11.4	Ballet IV	1.5
DANC 11.5	Ballet V	1.5
DANC 11.6	Ballet VI	1.5
DANC 13.1	Jazz Dance I	1.5
DANC 13.2	Jazz Dance II	1.5
DANC 13.3	Jazz Dance III	1.5
DANC 13.4	Jazz Dance IV	1.5
DANC 13.5	Jazz Dance V	1.5
DANC 13.6	Jazz Dance VI	1.5
DANC 14.1	Contemporary Dance I	1.5
DANC 14.2	Contemporary Dance II	1.5
DANC 14.3	Contemporary Dance III	1.5
DANC 14.4	Contemporary Dance IV	1.5
DANC 15.1	Contempoary Jazz Dance I	1-1.5
DANC 15.2	Contemporary Jazz Dance II	1-1.5
DANC 15.3	Contemporary Jazz Dance III	1-1.5
DANC 15.4	Contemporary Jazz Dance IV	1-1.5
DANC 15.5	Contemporary Jazz Dance V	1-1.5
DANC 15.6	Contemporary Jazz Dance VI	1-1.5
DANC 16.1	Modern Dance I	1.5
DANC 16.2	Modern Dance II	1.5
DANC 16.3	Modern Dance III	1.5
DANC 16.4	Modern Dance IV	1.5
DANC 16.5	Modern Dance V	1.5
DANC 16.6	Modern Dance VI	1.5
DANC 17.1	Contemporary Modern Dance I	1-1.5
DANC 17.2	Contemporary Modern Dance II	1-1.5
DANC 17.3	Contemporary Modern Dance III	1-1.5
DANC 17.4	Contemporary Modern Dance IV	1-1.5
DANC 17.5	Contemporary Modern Dance V	1-1.5
DANC 17.6	Contemporary Modern Dance VI	1-1.5
DANC 18.1	Rhythm Tap Dance I	1.5
DANC 21.1	Hip Hop/Funk I	1.5
DANC 21.2	Hip Hop/Funk II	1.5
DANC 21.3	Hip Hop/Funk III	1.5
DANC 21.4	Hip Hop/Funk IV	1.5
DANC 21.5	Hip Hop/Funk V	1.5
DANC 21.6	Hip Hop/Funk VI	1.5
DANC 27	Dance Production: Experience	2
DANC 28	Choreography for Performance	2
DANC 29	Dance Performance and Touring Company	2
DANC 32	Dance Repertory	1.5
DANC 35	Dance Improvisation Techniques	1.5
DANC 37.1	Ballroom Dance I	1
DANC 37.2	Ballroom Dance II	1
DANC 47	Dances of the African Diaspora I	1-2
DANC 61.1	Dance Conditioning and Somatic Practices I	1.5
DANC 61.2	Dance Conditioning and Somatic Practices II	1.5
DANC 61.3	Dance Conditioning and Somatic Practices III	1.5
DANC 61.4	Dance Conditioning and Somatic Practices IV	1.5
DANC 70.3	Commercial Dance III	1-1.5
DANC 70.4	Commercial Dance IV	1-1.5
DANC 70.5	Commercial Dance V	1-1.5
DANC 70.6	Commercial Dance VI	1-1.5
DANC 88.1	Latin Dance I	1
DANC 88.2	Latin Dance II	1
DANC 88.3	Latin Dance III	1
DANC 88.4	Latin Dance IV	1
DANC 150	Teaching Dance Techniques	1
LIR 10	Introduction to Information Literacy	1
NRM 12	Introduction to Environmental Conservation	3
PSYC 3	Human Sexuality	3
PSYC 7	Theories of Personality	3
PSYC 8	Introduction to Lifespan Psychology	3
PSYC 34	The Psychology of Prejudice and Discrimination	3
PSYC 35	Psychology of Personal and Social Adjustment	3
PSYC 40	Introduction to Psychology of Gender	3
PSYC 46	Aging, Dying and Death	3
SOC 10	Close Relationships and Family Life	3
SWHS 90	Introduction to Social Work and Human Services	3
WEE 95	Volunteer Service	0.5-3
WEE 97	Work Experience	1-8
WEE 99I	Internship Work Experience Education	0.5-8

Current and Past GE Patterns

Students with older catalog rights (Academic Year 2024-25 or older) who maintain catalog rights may still follow CSU, IGETC, or IGETC for STEM patterns. Previous GE patterns along with current patterns can be found at: https://articulation.santarosa.edu/ge-breadth (https://articulation.santarosa.edu/ge-breadth)

Major Requirements

The major is one of several requirements students need to fulfill in order to be awarded an Associate's Degree—the highest level of academic achievement recognized by Santa Rosa Junior College. (For more information, see the section, "Degree Requirements" in this Catalog.) All of the following requirements must be met in order for the degree to be conferred:

- A major
- A General Education Pattern
- A minimum number of degree units
- A minimum number of units taken in residence
- A minimum standard of scholarship

About the Major Requirement

The major is a defined program of study of at least 18.0 units from the SRJC list of approved majors. The program of study in a major provides coherence, focus, depth, sequencing, and synthesis of learning. In addition, majors are intended to provide the student with a foundation for transfer, training for an occupational field, or sufficient depth in a field of knowledge to contribute to lifelong interest.

The SRJC Major and Transfer

It is important that students who are completing a major and desire to transfer to a four-year institution meet with a counselor to plan their lower division coursework. While many majors at SRJC are intended to align with lower division major preparation required by California public universities, specific lower-division major requirements vary among individual campuses. It is therefore vital that students meet early to create an educational plan that will enable them to meet the requirements of the transfer institution's major, as well as the requirements for the Associate's Degree. If an area of study is not on the approved list of SRJC majors, the student may still prepare for this major by taking appropriate lower division courses. Please discuss such preparation, as well as any questions about an approved major, with a counselor.

The Career Education Major and the Certificate of Achievement

Degree programs are often available for many Career Education (CE) fields that also have a Certificate of Achievement program. A student who has completed a certificate program may be awarded an Associate's Degree in a later semester providing that all major and degree requirements are met.

The Career Education Major and Selection Processes

Some programs, particularly in the Health Sciences or Public Safety fields, may have a selection process for entering students. Please contact the department or a counselor for information about the selection process for any such program.

Multiple Majors

It is possible for a student to be awarded more than one major upon graduation, providing that all requirements are met for each major. For multiple majors, a single diploma with all majors listed will be issued. If one major leads to an Associate in Science and the other to an Associate in Arts, two diplomas will be issued.

Coursework Requirements and the Major

Generally stated, a requirement in a major is:

1. A designated course.
2. A defined combination of courses.
3. A set number of units that can be fulfilled from a list of courses.

A student may submit a request for course substitution for major requirements. The course substitution form for the major is required if the student wishes to use a course for an associate degree major that is different than the curriculum listed in the Catalog and on the Web site. The form can be obtained in the Admissions and Records Office. The student must then submit the form to the appropriate department for approval. Consultation with a counselor is highly recommended to assist the student with the process. Approved course substitutions apply to the requested major only and not to the SRJC General Education patterns (Options A, B, or C) nor any other SRJC major.

A course may be used to satisfy both a General Education Requirement and a major requirement (Title 5, 55806). However, no course may be used more than once to fulfill a requirement in the major.

Term Effective and the Major

The requirements for a major are effective beginning the semester shown for each major. Students who began working on the approved major before the effective semester may not be affected by the changes because they have catalog rights. Please Note: Catalog Rights are not applicable for degree and certificate programs with a separate selection process (i.e., Nursing, Radiologic Technology, Dental Hygiene). Students will be held to the requirements listed in the major for the year in which they actually enter the program. Students should consult with the program contact person, department chair, or a counselor to determine their eligibility to complete the major under previous requirements (see also the sections on Catalog Rights in this Catalog).

Certificates in the Credit Program

Santa Rosa Junior College offers a broad array of Career Education certificate programs that provide a course of study preparing students directly for employment or self-employment upon completion of the program. Most certificate programs are developed through the collaboration of SRJC faculty and industry leaders and employers who sit on advisory committees for the Career Education.

There are two types of certificates acknowledged by the State (Title 5, 55070(a)(b)) and the College: those requiring approval by the Systems Office, California Community Colleges called Certificates of Achievement; and, those requiring only local Board approval. At Santa Rosa Junior College, the locally approved certificates are called Skills Certificates. Only Certificates of Achievement which have been approved by the System's Office will appear on a student transcript.

Certificates of Achievement

Certificates of Achievement certify that students successfully completing all requirements are fully prepared to enter the careers designated on their certificates. These programs generally, but not always, require a year or more of study and eighteen or more units of coursework.

Certificates of Achievement must be approved by the Curriculum Review Committee and the Board of Trustees. They must also be endorsed by the Bay Area Community College Consortium (comprised of community college occupational administrators) and approved by the Systems Office. Certificates of Achievement are posted to the official transcript.

Skills Certificate

A Skills Certificate certifies that students successfully completing all requirements are prepared with a particular set of skills for an entry-level position in the field, to upgrade or advance in an existing career, or to pursue a full Certificate of Achievement. These programs usually provide career ladder instruction and are therefore of shorter duration and narrower in scope than Certificate of Achievement Programs.

Skills Certificates must be approved by the Curriculum Committee and the Board of Trustees

Santa Rosa Junior College is committed to maintaining the academic rigor and relevance of its occupational curriculum. Each Career Education program has an employer advisory committee to provide Career Education outlook information and give input to the curriculum, ensuring

that students are learning the skills needed by industry. Whether the student is exploring career choices following high school, considering a major career move, or seeking new skills for advancement, a wide variety of training options are available through these various certificate programs. Skills certificates do not post to the official transcript.

Financial Aid Eligibility

Not all SRJC certificate programs are eligible for purposes of federal financial aid payments. To be considered eligible, a program must be a minimum of 15 weeks and 16 units in length, must have secured Chancellor's Office approval prior to the term of aid being paid, and must be included on SRJC's Federal Aid Participation Agreement.

The Certificate of Achievement and the Major (degree program)

Students in Career Technical Education programs are strongly encouraged to obtain an Associate's Degree. This can be done by selecting a major related to the certificate program, or by pursuing a more general major, such as Humanities, Natural Sciences, or Social and Behavioral Sciences. To be awarded an Associate's Degree, a student must complete at least 18 units of major requirements, as well as other degree requirements. Please see the section, "Degree Requirements," in this Catalog.

Degree programs are often available for many occupational fields that also have a Certificate of Achievement program. A student who has completed a certificate program may be awarded the Associate's Degree in a later semester providing all major and degree requirements are met.

The Certificate of Achievement and Selection Processes

Some programs—particularly in the Health Sciences or Public Safety fields—may have a selection process for entering students. Please contact the department or a counselor for information about the selection process for any such program.

Certificates in the Non-Credit Program

There are two types of non-credit certificates acknowledged by the State and the College. The first is called a Certificate of Completion and the second a Certificate of Competency. Title 5: 55151(b)(1)(2)

Certificate of Completion

This certificate confirms that a student has completed a program or sequence of non-credit courses that prepares him or her to progress in a career path or to undertake degree-applicable or non-degree applicable credit courses. This document certifies that the student has gained proficiency in basic educational skills, such as math, reading, listening, writing or English of Multilingual Students leading to improved employability or job opportunities at the entry level.

Certificate of Competency

This certificate confirms that a student has enrolled in a program or sequence of non-credit courses and demonstrated competencies that prepares him or her to progress to a career path or to undertake credit courses to further pursue his or her career. This document certifies that the student has achieved a set of skills or competencies that can be applied in a recognized career field and articulated with degree-applicable coursework leading to a degree.

Approvals

Each certificate must be approved by the Curriculum Committee, Board of Trustees and the Systems Office.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course;
2. A defined combination of courses; or
3. A set number of units that can be fulfilled from a list of courses.

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Term Effective and the Certificate

The requirements for a certificate are effective beginning the semester shown for each certificate. Students who began working on the approved certificate before the effective semester may not be affected by the changes because they have catalog rights. Please Note: Catalog Rights are not applicable for degree and certificate programs with a separate selection process (i.e., Nursing, Radiologic Technology, Dental Hygiene). Students will be held to the requirements listed in the major for the year in which they actually enter the program. Students should consult with the program contact person, department chair, or a counselor to determine their eligibility to complete the major under previous requirements.

Catalog Rights for Certificates

Certificates in the Credit Program

Award requirements for a certificate in the credit program are determined according to the catalog in effect at the time of initial enrollment. In order to maintain catalog rights, a student must be in continuous enrollment; that is, enrollment in at least one credit course during each successive academic year. For the purpose of catalog rights, the academic year begins each fall and ends with the subsequent summer session. When a break in enrollment occurs, certificate requirements are determined according to the catalog in effect when enrollment is resumed. Students may choose to receive a certificate award under the catalog requirements in effect at the time of their petition to receive the certificate.

Certificates in the Non-Credit Program

Award requirements for a certificate in the non-credit program are determined according to the catalog requirements in effect at the time of their petition to receive the certificate.

Policy 3.2, Revised December 2012

MAJORS

A

- Administration of Justice (AS-T) (p. 102)
- Administrative Assistant (AS) (p. 103)
- Advanced Manufacturing Tech (AS) (p. 104)
- AGEH: Landscape Constr & Maint (AS) (p. 105)
- AGEH: Landscape Design (AS) (p. 106)
- Agriculture Animal Science (AS-T) (p. 106)
- Agriculture Business (AS-T) (p. 107)
- Agriculture Plant Science (AS-T) (p. 108)
- AGVI: Viticulture (AS) (p. 109)
- AGWS: Enology (AS) (p. 110)
- AGWS: Wine Marketing and Sales (AS) (p. 110)
- Anthropology (AA) (p. 111)
- Anthropology (AA-T) (p. 112)
- Architecture (AS) (p. 113)
- ArlRmotSnsng&Photogrammtry (AS) (p. 114)
- Art (AA) (p. 114)
- Art History (AA-T) (p. 115)
- Automotive Diagnostics (AS) (p. 117)
- Automotive Technology (AS) (p. 118)

B

- Biology (AS) (p. 120)
- Biology (AS-T) (p. 120)
- Business Administration 2.0 (AS-T) (p. 121)
- Business: Accounting (AS) (p. 122)
- Business: Human Resources (AA) (p. 123)
- Business: Real Estate (AA) (p. 124)

C

- CA: Culinary Arts & Rest. Ops. (AA) (p. 124)
- Chemistry (AS) (p. 126)
- Child Development (AA) (p. 127)
- Civil Engineering Technology (AS) (p. 128)
- Commercial Music (AA) (p. 129)
- Communication Studies 2.0 (AA-T) (p. 130)
- Constructn Managmnt Fundamntls (AS) (p. 131)
- CS Computer Science (AS) (p. 132)
- CS Cybersecurity (AS) (p. 132)
- CS Game Development (AS) (p. 133)
- CS Graphic Design (AA) (p. 134)
- CS Virtual Production RVPA (AA) (p. 135)
- CS Web and Multimedia (AA) (p. 136)
- CS Web Full-Stack Developer (AS) (p. 137)

D

- Dance (AA) (p. 138)
- Dental Hygiene (AS) (p. 139)
- DM: 3D Modeling & Animation (AS) (p. 140)

E

- Early Childhood Education (AS-T) (p. 141)
- Economics (AA-T) (p. 142)
- Electrical Union Apprentice (AS) (p. 143)
- Elementary Teacher Education: Integrated Programs (AA-T) (p. 144)
- Engineering (AS) (p. 145)
- English (AA-T) (p. 145)
- Environmental Studies (AA) (p. 146)

F

- Fashion Design (AA) (p. 148)
- Film Studies (AA) (p. 149)
- Film, Television, & Electronic Media (AS-T) (p. 149)
- Fire Science - Company Officer (AS) (p. 150)
- Fire Technology (AS) (p. 151)
- Fitness and Health Coach (AA) (p. 152)
- Floral Design (AA) (p. 153)
- French (AA) (p. 154)

H

- Hemp Agriculture (AS) (p. 155)
- History (AA-T) (p. 156)
- Hospitality Management (AS-T) (p. 157)
- Humanities (AA) (p. 158)
- HVAC Refrigeration Apprentice (AS) (p. 160)
- HVACR Fundamentals (AS) (p. 161)

I

- Interior Design (AA) (p. 162)

J

- Journalism (AA-T) (p. 162)
- Journalism: Digital (AS) (p. 163)

K

- Kines: Sports Medicine Prep (AA) (p. 164)
- Kinesiology (AA) (p. 165)
- Kinesiology (AA-T) (p. 167)

L

- Latin American Studies (AA) (p. 170)

M

- Mathematics (AS) (p. 170)
- Mathematics (AS-T) (p. 171)
- Mchtroncs:IndustrlMntnncTchncn (AS) (p. 172)
- Mechatronics Technician (AS) (p. 172)
- Medical Assisting (AS) (p. 173)
- Medium Heavy Truck Technology (AS) (p. 174)
- Music (AA) (p. 175)
- Music (AA-T) (p. 177)

N

- Native American Studies (AA) (p. 178)
- Natural Resources (AS) (p. 179)
- Natural Sciences (AS) (p. 180)
- Nursing ADN (AS) (p. 182)
- Nutrition & Dietetics (AA) (p. 183)
- Nutrition and Dietetics (AS-T) (p. 184)

P

- Paralegal Studies (AA) (p. 185)
- Paramedic (AS) (p. 186)
- Pharmacy Technician (AS) (p. 187)
- Philosophy (AA) (p. 188)
- Philosophy (AA-T) (p. 189)
- Physics (AS) (p. 190)
- Physics (AS-T) (p. 191)
- Political Science (AA) (p. 191)
- Political Science (AA-T) (p. 192)
- Pre-Allied Health (AS) (p. 193)
- Pre-Veterinary Studies (AS) (p. 194)
- Psychology (AA) (p. 195)
- Psychology (AA-T) (p. 196)

R

- Radiologic Technology (AS) (p. 197)
- Religious Studies (AA) (p. 198)

S

- Signal Technician (AS) (p. 199)
- Social and Behavioral Sciences (AA) (p. 200)
- Social Justice Studies (AA-T) (p. 201)
- Social Work and Human Services (AA-T) (p. 203)
- Sociology (AA-T) (p. 204)
- Spanish (AA) (p. 205)
- Spanish (AA-T) (p. 206)
- Studio Arts (AA-T) (p. 207)
- Surveying Technology (AS) (p. 208)
- Sustainable Agriculture (AS) (p. 209)
- SWHS: Addiction Studies (AA) (p. 210)
- SWHS: Advocacy (AA) (p. 211)

T

- Theatre Arts (AA) (p. 212)
- Theatre Arts (AA-T) (p. 213)

W

- Wastewater Treatment Operatns (AS) (p. 214)
- Welding Technology (AS) (p. 214)

Administration of Justice (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Administration of Justice Associate in Science for Transfer degree is designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an ADT are guaranteed admission with junior standing somewhere in the CSU system. This priority does not guarantee admission to specific majors or campuses. Current and prospective community college students are encouraged to meet with a counselor to develop an educational plan that best meets their goals and needs.

Associate Degree for Transfer Requirements

See the state issued Transfer Model Curriculum (TMC) (https://curriculum.santarosa.edu/transfer-model-curriculum) template for any further clarification regarding program requirements.

This degrees allows students to fulfill lower division major requirements at a community college and guarantee transfer with junior status to the CSU system. Students who complete an ADT and transfer to a similar major at a CSU are guaranteed a pathway to finish their baccalaureate degrees in 60 semester units.

This degree requires students to meet both of the following requirements:

(1) Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:

> (A) The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements. (https://articulation.santarosa.edu/ge-breadth)
>
> (B) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district (please see the requirements below).

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis, where a Pass is defined as a “C” or better.

A maximum of 12 units are allowed with a P grade for students earning an Associate Degree. For detailed information, please refer to the SRJC Grading Policy.

Major Requirements

Code	Title	Hours/ Units
Administration of Justice Required Core		
AJ 21	Introduction to Administration of Justice	3
AJ 22	Concepts of Criminal Law	3
Administration of Justice List A		

Select any combination totaling at Least 6.00 units from the following:		6
AJ 25	Community Relations	
AJ 53	Juvenile Procedures	
AJ 55	Criminal Procedures	
AJ 57	Basic Criminal Investigation	
AJ 61	Introduction to Evidence	
AJ 70	Introduction to Corrections	
Administration of Justice List B		
Select any combination totaling at Least 6.00 units from the following:		6
AJ 25	Community Relations	
AJ 26	Crime and Criminal Justice in Society	
AJ 53	Juvenile Procedures	
AJ 55	Criminal Procedures	
AJ 57	Basic Criminal Investigation	
AJ 61	Introduction to Evidence	
AJ 70	Introduction to Corrections	
AJ 71	Criminal Justice Interviewing & Counseling	
AJ 98	Independent Study in Administration of Justice	
AJ 99I	Administration of Justice Internship	
POLS 1000	(POLS C1000) American Government and Politics	
PSYC 1000	(PSYC C1000) Introduction to Psychology	
SOC 1	Introduction to Sociology	
SOC 2	Modern Social Problems	
Only one of these courses may be selected:		
STAT 1000	(STAT C1000) Introduction to Statistics	
or PSYC 9	Introduction to Behavioral Sciences Statistics	
Total Hours/Units		**18**

Program Requirements Notes

A course used to satisfy a requirement in one category can not be used to fulfill the requirements in another category.

Program Student Learning Outcomes

1. Analyze relationships and interactions between citizens and the criminal justice system in a social and cultural context and develop a communication style consistent with legal requirements that encompass cultural understanding;
2. evaluate situations and incidents to determine if a criminal law has been violated, and develop and implement an appropriate intervention strategy consistent with constitutional protections and safeguards;
3. evaluate and analyze a crime scene to ensure the proper recognition, identification, collection, preservation, and scientific analysis of physical evidence; and
4. examine the pre-trial, trial, and post-trial elements of the criminal justice system to ensure constitutional and statutory requirements are maintained consistent with public safety standards.

Administrative Assistant (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Administrative Assistant Program is an academic Associate in Science degree program for students seeking employment in the administrative assistant fields. The curriculum integrates knowledge of office procedures based on actual job responsibilities.

The Administrative Assistant Professional major prepares the student to be a member of an organization's business team. This program encompasses the integration of 21st Century workforce skills emphasizing communication, teamwork, project management, problem-solving, and systems development. A unique aspect of the program is the internship, which provides the student an opportunity to use their acquired skills in an office environment and gain experience in their profession before completing the program. Opportunities are available in private industry, non-profit organizations, and government offices. With experience and/or additional education, administrative office professionals may be promoted to management positions.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Administrative Office Professional		
BAD 52	Human Relations in Organizations	3
BGN 110	Introduction to the Administrative Professional	1
BGN 154	Office Technologies and Procedures	3
BMG 66.4	Project Management	1.5

Select any combination totaling at least 3.00 units from the following:		3
BBK 50	Computerized Bookkeeping and Accounting 1	
BGN 81	Practical Business Math Skills	
BMG 55	Fundamentals of Financial Analysis	
Select any combination totaling at least 3.00 units from the following:		3
BAD 53	Introduction to Solving Business Problems With Spreadsheets	
CS 5	Computer Literacy	
CS 60.1A	Microsoft Word, Part 1	
CS 60.1B	Microsoft Word, Part 2	
CS 61.1A	Microsoft Excel, Part 1	
CS 61.1B	Microsoft Excel, Part 2	
Select any combination totaling at least 3.00 units from the following:		3
BGN 71	Business English Grammar	
BGN 100	Professional Business Writing	
BMG 52	Business Communication	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**18.5**

Program Student Learning Outcomes

1. Compose and prepare business documents and correspondence demonstrating appropriate communication techniques and integration of appropriate software and other technology tools;
2. apply time management, project management, records management, and organizational skills to complete office tasks, projects, and operations;
3. use critical thinking, problem solving, interpersonal, and collaborative skills to complete work independently or in a team in an ethical and professional manner;
4. evaluate, analyze, and use appropriate technology to complete tasks and documents productively and efficiently; and
5. use integrated math computational skills to solve a variety of business applications such as inventory, payroll, calculating interest, and budget monitoring.

Advanced Manufacturing Tech (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Advanced Manufacturing Technology (AMT) major offers both theoretical and hands-on training related to lathes, vertical mills, drill press, hand tools, Computer Numeric Control (CNC) lathes and mills, and Computer-aided Machining (CAM). A student enrolling in the program should have the desire and ability to work with their hands, possess a high degree of mechanical aptitude and enjoy working in a shop environment.

Technological advances and continued expansion of the advanced manufacturing industry have increased the demands for well-trained entry-level technicians locally, state-wide and nationally. Individuals with knowledge of CNC lathes and mills and CAM are especially in demand. For students interested in a Certificate of Achievement, an Advanced Manufacturing certificate is available.

Individuals who complete the AMT program should be able to find employment as an entry-level machinists, CNC technician, or machine operator. Graduates can find employment in a variety of areas, including machine shops, manufacturing industries, industrial machinery and equipment, measuring and controlling devices, and beverage product manufacturers.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Advanced Manufacturing Technology Requirements		
APTE 45	Basic Drafting Skills	1.5
APTE 46	Introduction to Computer-Aided Drafting	2
MACH 51.1A	Beginning Machine Tool Technology	3
MACH 51.1B	Advanced Machine Tool Technology	3
MACH 80A	Computer Numeric Control Machining I	5
MACH 80B	Computer Numeric Control Machining II	5
MACH 161	Metallurgy	3
MACH 162	Blueprint Reading for Machine and Related Industries	3

WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**28.5**

Program Student Learning Outcomes

1. Demonstrate safe operation of hand tools, power tools and specialized machine shop tools and equipment;
2. Demonstrate the set up and operation of manual lathes and mills;
3. Interpret CNC (Computer Numeric Control) programming language;
4. Accurately analyze and interpret blueprints and create part(s) to specifications;
5. Interpret blueprints and GDT (Geometric Dimensioning Tolerancing) symbols in order to verify dimensions of a machine part; and
6. Describe applications of design, manufacturing, and fabrication applicable to non-ferrous metals.

AGEH: Landscape Constr & Maint (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

The Environmental Horticulture: Landscape Construction and Maintenance major deals with all aspects of plant use in the landscape. People working in the landscape field derive job satisfaction from enhancing the function and beauty of the environment while being physically active outdoors or helping support that activity in allied sales and service occupations. Landscape work involves construction and planting projects, irrigation system design and water management, and specialty fields such as turf management, tree care, and interiorscapes. This program provides an introductory base of plant knowledge and landscape skills, allowing students the option of entering a variety of jobs with the preparation for rapid advancement within their chosen occupations. The program emphasizes hands-on learning and most courses incorporate lab activities that apply knowledge and skills in realistic settings. The program is actively supported by the local horticulture industry.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Environmental Horticulture: Landscape Construction and Maintenance Requirements		
HORT 8	Landscape Plants: Summer/Fall	3
HORT 12	Landscape Plants: Winter/Spring	3
HORT 51	Introduction to Horticulture	3
HORT 80	Sustainable Landscape Management	3
HORT 91	Landscape Construction/Estimation	3
HORT 144	Landscape Irrigation	3
Select any combination totaling at least 1.00 unit from the following:		1
AGRI 98	Independent Study in Agriculture	
AGRI 99I	Agriculture Internship	
Select any combination totaling at least 3.00 units from the following:		3
AGBU 2	Agricultural Computer Applications	
AGBU 56	Introduction to Agriculture Business and Management	
AGRI 30	Introduction to Soil Science	
HORT 70	Plant Propagation	
HORT 71	Nursery Production	
HORT 93	Landscape Drafting and Design	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**23**

Notes

Only one unit of AGRI 98 Independent Study in Agriculture or AGRI 99I Agriculture Internship is required, but students may elect to take additional units.

The following courses are anticipated to be added as elective options: HORT 133 Current Topics in Horticulture.

Program Student Learning Outcomes

1. Create a materials takeoff for hardscape features;
2. Develop the skills to perform landscape contractor construction skills;
3. Demonstrate proper landscape plant maintenance practices;

4. Develop proper water efficient practices in the landscape; and
5. Assess plants for landscape purposes.

AGEH: Landscape Design (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Environmental Horticulture: Landscape Design major prepares students for occupations within the landscape industry that require garden design skills. The program emphasizes hands-on learning, and most courses incorporate lab activities that apply knowledge and skills in realistic settings.

This program of study is also available as a certificate.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Environmental Horticulture: Landscape Design		
HORT 8	Landscape Plants: Summer/Fall	3
HORT 12	Landscape Plants: Winter/Spring	3
HORT 51	Introduction to Horticulture	3
HORT 91	Landscape Construction/Estimation	3
HORT 93	Landscape Drafting and Design	3
HORT 144	Landscape Irrigation	3
HORT 195	CAD: Landscape Site Plans	3
Select any combination totaling at least 1.00 unit from the following:		1
AGRI 98	Independent Study in Agriculture	
AGRI 99I	Agriculture Internship	
Select any combination totaling at least 3.00 units from the following:		3
AGBU 2	Agricultural Computer Applications	
AGBU 56	Introduction to Agriculture Business and Management	
HORT 70	Plant Propagation	
HORT 71	Nursery Production	
HORT 80	Sustainable Landscape Management	
HORT 184	Introduction to Arboriculture	
HORT 196	CAD: Advanced Landscape Design	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**26**

Notes

Only one unit of AGRI 98 Independent Study in Agriculture or AGRI 99I Agriculture Internship is required, but students may elect to take additional units.

Program Student Learning Outcomes

1. Apply proper landscape principles to an appropriate site;
2. Apply color media to the graphic presentation of a landscape plan; and
3. Prepare perspective drawings of a design.

Agriculture Animal Science (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Science for Transfer in Agriculture Animal Science will provide current and relevant knowledge, skills and abilities through education and hands-on training in Agricultural Science, Animal Science and Agriculture Studies. The main objective of this major is to prepare students for career opportunities in these disciplines.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)

- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Agriculture Animal Science for Transfer Required Core		
Select any combination totaling at least 3.00 units from the following:		3
AGBU 7	Agricultural Economics	
ECON 2001	(ECON C2001) Principles of Microeconomics	
ANSC 20	Basic Animal Science	3
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3AL	General Chemistry Part 1: Lab	2
STAT 1000	(STAT C1000) Introduction to Statistics	4
Agriculture Animal Science for Transfer List A Requirements		
Select any combination totaling at least 3.00 units from the following:		3
ANSC 27	Beef Cattle Science	
ANSC 29	Dairy Cattle Industry/Dairy Cattle Science	
EQSC 25	Equine Science	
Select any combination totaling at least 3.00 units from the following:		3
ANSC 2	Introduction to Farm Animal Health	
ANSC 61	Livestock Feeding and Nutrition	
CHEM 12A	Organic Chemistry	
Agriculture Animal Science for Transfer List B Requirements		
AGBU 2	Agricultural Computer Applications	
AGBU 56	Introduction to Agriculture Business and Management	
Total Hours/Units		**21**

Notes

A course used to satisfy the requirements in one category (List A, B, or C) cannot also be used to satisfy the requirements in another category.

Program Student Learning Outcomes

1. Identify and implement sustainable livestock management practices that will improve livestock quality, provide efficacious management, protect the natural resources and ensure economic viability of the livestock industry
2. Demonstrate a working knowledge of animal production life cycles to develop a ranch management calendar that incorporates scientifically based management decisions and the latest technological advances in livestock husbandry;
3. Identify and evaluate livestock anatomy and physiology and relate form to function;
4. Demonstrate knowledge of practical reproductive management of livestock species.

Agriculture Business (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Science for Transfer in Agriculture Business will provide current and relevant knowledge, skills and abilities through education and hands-on training in Agriculture Business, Agriculture Studies, AgriBusiness, Ag Business and Food Industry Management. The main objective of this program is to prepare students for transfer and career opportunities in these areas.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
AGBU 7	Agricultural Economics	3
STAT 1000	(STAT C1000) Introduction to Statistics	4
ECON 2002	(ECON C2002) Principles of Macroeconomics	3
Select any combination totaling at least 3.00 units from the following:		3
AGRI 30	Introduction to Soil Science	
CHEM 3A & 3AL	General Chemistry Part 1: Lecture and General Chemistry Part 1: Lab	
Agriculture Business for Transfer List A Requirements		
Select any combination totaling at least 9.00 units from the following:		
AGBU 2	Agricultural Computer Applications	3
AGBU 56	Introduction to Agriculture Business and Management	3
Select any combination totaling at least 3.00 units from the following:		3
AGRI 20	Introduction to Plant Science	
ANSC 20	Basic Animal Science	
Agriculture Business for Transfer List B Requirements		
Select one of the following:		0
BAD 1	Financial Accounting	
BAD 2	Managerial Accounting	
ECON 2001	(ECON C2001) Principles of Microeconomics	
Total Hours/Units		**22**

Notes

A course used to satisfy the requirements in one category (List A, B, or C) cannot also be used to satisfy the requirements in another category.

Program Student Learning Outcomes

1. Demonstrate understanding of principles and strategies for selling and marketing in agribusiness;
2. Apply principles of demand, supply and price system to agribusiness.
3. Incorporate technology, communication skills, leadership, and business management skills.

Agriculture Plant Science (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Science for Transfer in Agriculture Plant Science will provide current and relevant knowledge, skills and abilities through education and hands-on training in Agricultural Science, Animal Science and Agriculture Studies. The main objective of this major is to prepare students for career opportunities in these disciplines.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Agriculture Plant Science for Transfer Core Requirements		
AGRI 20	Introduction to Plant Science	4
AGRI 30	Introduction to Soil Science	3
Select any combination totaling at least 3.00 units from the following:		3
STAT 1000	(STAT C1000) Introduction to Statistics	
PSYC 9	Introduction to Behavioral Sciences Statistics	
Select any combination totaling at least 3.00 units from the following:		3
AGBU 7	Agricultural Economics	
ECON 2001	(ECON C2001) Principles of Microeconomics	
Complete a combination totaling at least 5.00 units from the following:		
CHEM 3A & 3AL	General Chemistry Part 1: Lecture and General Chemistry Part 1: Lab	5
Agriculture Plant Science for Transfer List A Requirements		
Select any combination totaling at least 3.00 units from the following:		3
CHEM 12A	Organic Chemistry	
HORT 8	Landscape Plants: Summer/Fall	
HORT 12	Landscape Plants: Winter/Spring	
HORT 70	Plant Propagation	
Agriculture Plant Science for Transfer List B Requirements		
Select one of the following:		0

AGME 50	Agricultural Machinery and Equipment Skills	
Total Hours/Units		**21**

Notes

A course used to satisfy the requirements in one category (List A, B, or C) cannot also be used to satisfy the requirements in another category.

Program Student Learning Outcomes

1. Demonstrate relationships of plants, soils, and climates.
2. Analyze and compare plants, growing conditions, and types of crop production.
3. Identify and evaluate livestock anatomy and physiology and relate form to function.
4. Research and analyze production and marketing data for a proposed crop commodity.
5. Explain the economic aspects of agriculture and their implications to the market.

AGVI: Viticulture (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Viticulture major focuses on the growing of grapes for winemaking, including seasonal practices in the vineyard and vineyard management. The program also includes enology and winery operations components.

This program of study is also available as a certificate option.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Viticulture Requirements		
AGRI 30	Introduction to Soil Science	3
VIT 51	Viticulture: Fall Practices	3
VIT 52	Viticulture: Spring Practices	3
VIT 55	Basic Wine Grape Viticulture	3
VIT 60	Vineyard Management	3
VIT 70	Vineyard Pest and Disease Management	3
Select any combination totaling at least 6.00 units from the following:		6
AGME 50	Agricultural Machinery and Equipment Skills	
AGRI 70	Integrated Pest Management	
AGRI 99I	Agriculture Internship	
NRM 87	Geographic Info. Systems Applications in Natural Resources	
SPAN 50A	Conversation for Beginners-Part 1	
VIT 1	Introduction to Viticulture, Winemaking, Wines of the World	
VIT 54	Viticulture: Summer Practices	
VIT 113	Organic Viticulture	
VIT 114	Sustainable Viticulture	
VIT 120	Vineyard Pruning	
VIT 121	Pruning Techniques for Vine Balance	
VIT 123	Budding & Grafting	
VIT 124	Vineyard Irrigation and Fertilization	
VIT 131	Working with Your Winemaker - Fruit Quality Assurance	
VIT 133	Advances in Viticulture	
WEE 99I	Internship Work Experience Education	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**25**

Note: Students taking AGRI 99i or WEE 99i should focus on the Viticulture/Wine industry.

Program Student Learning Outcomes

1. Conduct in-depth feasibility studies for new vineyard development, and from the results, prepare comprehensive reports and cost projections appropriate to their planting recommendations;
2. Identify and implement sustainable farming practices that will improve fruit quality, provide efficacious pest and disease management, protect natural resources and the environment, and prepare a farming plan that encompasses these practices;
3. Research and apply all county, state and federal laws regarding vineyard development and maintenance, worker safety, pesticide use, and environmental protection;

4. Demonstrate a working knowledge of the latest technological advances in vineyard management and incorporate current technology into their farming plans and budgets;
5. Work cooperatively and effectively with wineries to determine optimum harvest parameters, coordinate the operations required, and negotiate a grape contract;
6. Show management and leadership capabilities by effectively training others to perform hands-on vineyard tasks: and
7. Contribute to the winegrape industry and participate in professional organizations at the local, state-wide, national and international levels.

AGWS: Enology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Wine Studies major, with three areas of emphasis (Wine Hospitality and Direct Marketing, Wine Marketing, and Enology) is designed to prepare students for a variety of positions in the wine industry.

The Enology concentration, the study of winemaking, offers students an intense, hands-on experience in fall and spring winery operations and the essential introduction to chemistry, organic chemistry, and wine lab analysis. Santa Rosa Junior College's Enology concentration is an interdisciplinary academic/occupational program between the College's outstanding Chemistry and Agriculture/Natural Resources Departments.

The Enology emphases prepares students for entry-level positions as winery laboratory assistants, cellar masters, assistant winemakers, winery education directors, wine quality control specialists, and sensory evaluation personnel.

For students interested in the Wine Studies: Enology Certificate of Achievement Program, please see SRJC's certificate Web site.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Wine Studies Core Requirements		
WINE 1	Introduction to Viticulture, Winemaking, Wines of the World	3
WINE 3	Introduction to Enology	4
WINE 42.1	Fall Winery Operations	2
WINE 42.2	Spring Winery Operations	2
WINE 70	Beginning Wine Sensory Analysis	1.5
WINE 110	Advanced Wine Sensory Analysis	1.5
CHEM 42	Introductory General Chemistry	4
Wine Studies: Enology Emphasis Requirements		
Select any combination totaling at least 5.00 units from the following:		5
AGBU 2	Agricultural Computer Applications	
CHEM 3A	General Chemistry Part 1: Lecture	
CHEM 3AL	General Chemistry Part 1: Lab	
CHEM 8	Introductory Organic Chemistry	
VIT 55	Basic Wine Grape Viticulture	
WINE 55	Lab Analysis of Wines	
AGRI 99I	Agriculture Internship	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**23**

Note: Students taking AGRI 99i or WEE 99i should focus on the Viticulture/Wine industry.

Program Student Learning Outcomes

1. Demonstrate knowledge of the fundamentals of winemaking and wine cellar practices including product evaluation; and
2. Demonstrate knowledge of general chemistry principles, wine microbiology fundamentals, and wine laboratory techniques; and
3. Demonstrate practices of wine analysis methods during cellaring operations.

AGWS: Wine Marketing and Sales (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The AGWS: Wine Marketing and Sales major prepares students with skills such as basic knowledge of retail wine sales, construction a wine marketing plan, applying management and business and wine marketing, describing wine distribution methods and wine markets, and calculating pricing in markets.

In addition, the wine core classes give students a thorough understanding of winemaking procedures, principles of wine tasting and analysis, computer programs used in wineries, and knowledge of wines produced locally, regionally, and internationally.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Wine Studies: Wine Marketing Requirements		
WINE 1	Introduction to Viticulture, Winemaking, Wines of the World	3
WINE 70	Beginning Wine Sensory Analysis	1.5
WINE 101	Wine Sales	1.5
WINE 102	Wine Marketing	1.5
WINE 103	Wine Direct to Consumer Sales	1.5
WINE 109	Wine Club Creation, Maintenance, and Promotion	1.5
WINE 128	Developing and Maintaining Wine Social Media Campaigns	1.5
Complete any combination totaling at least 10.00 units from the following:		10.00
WINE 3	Introduction to Enology	
WINE 42.1	Fall Winery Operations	
WINE 42.2	Spring Winery Operations	
WINE 110	Advanced Wine Sensory Analysis	
WINE 111.1	Sonoma American Viticulture Areas-North County	
WINE 111.2	Sonoma American Viticulture Areas-South County	
WINE 130	Wine Service and Hospitality	
AGRI 99I	Agriculture Internship	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**22**

Program Student Learning Outcomes

1. Demonstrate knowledge of skills such as constructing a wine marketing plan, applying management and business principles to wine marketing; and
2. Describe wine distribution methods and wine markets, calculation of pricing in markets, and basic knowledge of global retail wine sales.
3. Demonstrate knowledge of the fundamentals of the wine industry including product evaluation and basic enology concepts.

Anthropology (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students completing the Anthropology major will develop skills and knowledge consistent with the study of anthropology in a global, multicultural, and comparative context. The successful student will have mastered the reading, writing, and research skills essential to anthropological inquiry and exposition. Completion of the program will provide the orientation and background necessary for success in the major at the university level.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Anthropology Requirements		
ANTH 1	Biological Anthropology	3
ANTH 1L	Biological Anthropology Lab	1
ANTH 2	Cultural Anthropology	3
ANTH 3	Introduction to Archaeology	3
Select any combination totaling at least 9.00 units from the following:		9.00
ANTH 4	Ancient Peoples and Society	
ANTH 5	The Anthropology of Language, Communication, and Culture	
ANTH 19	Forensic Anthropology	
ANTH 21	American Folklore and Folklife	
ANTH 30	Anthropology of Globalization	
ANTH 31	Mesoamerican Origins of Latino Culture	
ANTH 32	Native Cultures of North America	
ANTH 34	Native Cultures of California	
ANTH 42	Cannabis and Culture	
ANTH 43	Native American Art and Culture	
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Identify the major theoretical approaches, theorists, and historical trends in anthropology;
2. understand and use basic research methods in archaeology, cultural and biological anthropology, including design, data analysis and interpretation;
3. apply anthropological knowledge to understanding human diversity;
4. develop an understanding of self and others in diverse biological and cultural contexts;
5. apply critical thinking to anthropological theories and data; and
6. articulate thoughts effectively in written and oral communication.

Anthropology (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students completing the Associate in Arts for Transfer in Anthropology degree will develop skills and knowledge consistent with the study of anthropology in a global, multicultural, and comparative context. The successful student will have mastered the reading, writing, and research skills essential to anthropological inquiry and exposition. Completion of the degree program will provide the orientation and background necessary for success in the major at the university level.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Anthropology for Transfer Core Requirements		
ANTH 1	Biological Anthropology	3
ANTH 2	Cultural Anthropology	3
ANTH 3	Introduction to Archaeology	3
Anthropology for Transfer List A Requirements		
Select any combination totaling at least 3.00 units from the following:		3.00
ANTH 32	Native Cultures of North America	
ANTH 43	Native American Art and Culture	
STAT 1000	(STAT C1000) Introduction to Statistics	
Anthropology for Transfer List B Requirements		

Select any combination totaling at least 3.00 units from the following:		3.00
ANAT 1	General Human Anatomy	
ANTH 32	Native Cultures of North America	
ANTH 43	Native American Art and Culture	
GEOL 1 & 1L	The Earth and Geology Lab	
STAT 1000	(STAT C1000) Introduction to Statistics	
PHSC 21	Introduction to Earth Science	
Anthropology for Transfer List C Requirements		
Select any combination totaling at least 3.00 units from the following:		3.00
ANAT 1	General Human Anatomy	
ANTH 1L	Biological Anthropology Lab	
ANTH 4	Ancient Peoples and Society	
ANTH 5	The Anthropology of Language, Communication, and Culture	
ANTH 19	Forensic Anthropology	
ANTH 21	American Folklore and Folklife	
ANTH 30	Anthropology of Globalization	
ANTH 31	Mesoamerican Origins of Latino Culture	
ANTH 32	Native Cultures of North America	
ANTH 34	Native Cultures of California	
ANTH 42	Cannabis and Culture	
ANTH 43	Native American Art and Culture	
STAT 1000	(STAT C1000) Introduction to Statistics	
PHSC 21	Introduction to Earth Science	
GEOL 1 & 1L	The Earth and Geology Lab	
Total Hours/Units		**18**

Notes

A course used to satisfy the requirements in one category (List A, B, or C) cannot also be used to satisfy the requirements in another category.

Program Student Learning Outcomes

1. Identify the major theoretical approaches, theorists, and historical trends in anthropology;
2. Understand and use basic research methods in archaeology, cultural and biological anthropology, including design, data analysis and interpretation;
3. Apply anthropological knowledge to understanding human diversity;
4. Develop an understanding of self and others in diverse biological and cultural contexts;
5. Apply critical thinking to anthropological theories and data; and
6. Demonstrate effective written and oral communication using anthropological concepts.

Architecture (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This program is intended for students to pursue transfer to a 5-year professional or 4-year non-professional degree university-level undergraduate program at UC, CSU, or private schools. This program emphasizes coursework in spatial and architectural theories relating to design, visual communications, history, drawing, digital and physical model-making techniques, and presentation skills. The architecture program emphasizes a studio-based design curriculum, students will develop a portfolio of work.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
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Architecture Requirements - complete 32.00 units

Code	Title	Hours/ Units
ARCH 2.1	History of World Architecture: Prehistory to Gothic	3
ARCH 2.2	History of World Architecture: Gothic to 20th Century	3
ARCH 2.3	History of World Architecture: 20th Century to Contemporary	3
ARCH 12	Introduction to Environmental Design	3
ARCH 25A	Architecture Design Studio 1	4
ARCH 25B	Architectural Design Studio 2	4
ARCH 26A	Digital Models and Graphics 1	3
ARCH 10	Visual Communication in Architecture	3
ARCH 60	Digital Presentation Graphics	2

INDE 73	Portfolio Development	2
Select any combination totaling at least 3.00 units from the following:		3
CONS 103	Construction Materials, Methods and Equipment	
ARCH 26B	Digital Models and Graphics 2	
Total Hours/Units		**33**

Program Student Learning Outcomes

1. Apply critical thinking skills to create, develop, and analyze relevant design solutions within a given criteria set.
2. Use a design language to effectively communicate analytical, ecological, and other design concepts through verbal and written language, diagrams, plans and sketches, digital and physical models, and other media.
3. Work collaboratively and contribute to a team, embracing culturally diverse critiques and contributions from cohorts to achieve holistic design solutions.
4. Identify preliminary materials, processes, sequencing, building systems, and structures related to basic construction activities.
5. Identify the pathways to licensure and the roles, responsibilities, and contributions of various design and construction professionals within the Architecture, Engineering and Construction (AEC) industries.

ArlRmotSnsng&Photogrammtry (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This Major offers an introduction to the fundamentals of Aerial Photogrammetry and Remote Sensing, Mission Planning, Data Management, and Data Processing with emphasis on processing Unmanned Aerial Vehicles (UAVs, aka drones) data. For drone flight training, see the Computer Studies department (https://cs.santarosa.edu/drone).

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Aerial Remote Sensing and Photogrammetry Core Courses		
CEST 85	CADD for Civil, Surveying and Land Development	3
GIS 40	Introduction to Geographic Information Systems (GIS)	4
SURV 56	Introduction to GPS Land Surveying	4
SURV 60	Introduction to Plane Surveying	4
SURV 62	Introduction to Aerial Remote Sensing & Photogrammetry	3
SURV 63	Advanced Aerial Remote Sensing and Photogrammetry	3
APTE 191	Problem Solving in Civil Engineering Technology	3
CEST 51	Civil Drafting Technology	3
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**28**

Program Student Learning Outcomes

1. Plan aerial remote sensing missions.
2. Gain familiarity with the concept of ground control for aerial photogrammetry and remote sensing.
3. Gain familiarity with the least squares statistical method relating to aero triangulation and aerial survey control.
4. Gain a basic proficiency in photogrammetric and remote sensing data processing and preparation.

Art (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students intending to transfer to CSU may also be interested in the **Studio Arts AA-T**.

The Art major is designed for students who are pursuing transfer majors in the fine arts, including Painting and Drawing, Printmaking, Graphic Design, Digital Arts, Photography, Ceramics, Sculpture, and related disciplines.

Associate Degree Requirements

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Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Art Major Requirements		
ART 3	Introduction to Art and Design	3
ART 7A	Drawing and Composition 1	3
Complete any combination totaling at least 3.00 units from the following:		3
ART 4	Principles of Color	
ART 5	Three Dimensional Design	
Complete any combination totaling at least 6.00 units from the following:		6.00
ARTH 1.1	Introduction to Art of the Ancient World	
ARTH 1.2	Global Art from 1500 CE to Present	
ARTH 1.3	Introduction to Ancient Egyptian Art	
ARTH 1.4	Introduction to Mesoamerican and Andean Art	
ARTH 1100	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era	
ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary	
Select any combination totaling at least 9.00 units from the following:		9.00
ART 2.3	History of Modern Art in Europe and North America	
ARTH 2.5	Women and Art Since 1500	
ART 7B	Drawing and Composition 2	
ART 12	Beginning Figure Drawing	
ART 14A	Beginning Painting	
ART 19	Beginning Black and White Photography--Darkroom	
ART 24	Introduction to the Art of Printmaking	
ART 31A	Beginning Ceramics	
ART 33A	Beginning Sculpture	
ART 53	Exhibition Design and Management	
ART 69	Introduction to Cartooning and Sequential Art	
Total Hours/Units		**24**

Program Student Learning Outcomes

1. Synthesize and apply visual principles in creating works of art;
2. Articulate perception and awareness of fine art and applied design concept;
3. Develop a vocabulary to discuss art in aesthetic terms;
4. Demonstrate skills in visual analysis by identifying specific formal elements in works of art;
5. Demonstrate appropriate use of art tools, materials and processes;
6. Achieve greater awareness of global and cultural traditions; and
7. Create a portfolio of fine art and designs.

Art History (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in Art History major is intended for the student seeking to transfer to a baccalaureate-granting institution to major in Art History. It provides a basic foundation in art history and appreciation, "hands on experience" in at least one studio art form, and cultural and historical background necessary to understanding the visual arts. The major may also be of interest to those seeking a foundation for lifelong learning.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Art History for Transfer Core Requirements		
Select any combination totaling at least 9.00 units from the following:		9.00
ARTH 1.1	Introduction to Art of the Ancient World	
ARTH 1.2	Global Art from 1500 CE to Present	
ARTH 1.3	Introduction to Ancient Egyptian Art	
ARTH 1.4	Introduction to Mesoamerican and Andean Art	
ARTH 1100	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era	
or ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary	
ARTH 2.5	Women and Art Since 1500	
ART 7A	Drawing and Composition 1	
Art History for Transfer List A Requirements		
ARTH 1.1	Introduction to Art of the Ancient World	
or ARTH 1.2	Global Art from 1500 CE to Present	
Art History for Transfer List B Requirements		
Select any combination totaling at least 3.00 units from the following:		3.00
ART 3	Introduction to Art and Design	
ART 4	Principles of Color	
ART 5	Three Dimensional Design	
ART 12	Beginning Figure Drawing	
ART 14A	Beginning Painting	
ART 19	Beginning Black and White Photography--Darkroom	
ART 24	Introduction to the Art of Printmaking	
ART 27A	Beginning Screen Printing	
ART 28A	Beginning Etching	
ART 31A	Beginning Ceramics	
ART 33A	Beginning Sculpture	
Art History for Transfer List C Requirement		
Select any combination totaling at least 3.00 units from the following:		3.00
ARTH 1100	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era	
ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary	
ART 2.3	History of Modern Art in Europe and North America	
ARTH 1.1	Introduction to Art of the Ancient World	
ARTH 1.2	Global Art from 1500 CE to Present	
ARTH 1.3	Introduction to Ancient Egyptian Art	
ARTH 1.4	Introduction to Mesoamerican and Andean Art	
ARTH 2.5	Women and Art Since 1500	
ART 4	Principles of Color	
ART 14A	Beginning Painting	
ART 27A	Beginning Screen Printing	
ART 28A	Beginning Etching	
ART 3	Introduction to Art and Design	
ART 5	Three Dimensional Design	
ART 12	Beginning Figure Drawing	
ART 7A	Drawing and Composition 1	
ART 31A	Beginning Ceramics	
ART 19	Beginning Black and White Photography--Darkroom	
ART 24	Introduction to the Art of Printmaking	
ART 33A	Beginning Sculpture	
ART 26	Introduction to Relief Printmaking	
ANTH 43	Native American Art and Culture	
DANC 2	Survey of Dance History	
GD 15	History of Graphic Design	
FMA 4	Introduction to Mass Communication	
FMA 14	Early Film History	
FMA 15	Modern Film History	
MUSC 6.1	Music History and Literature: Antiquity to 1750	
MUSC 6.2	Music History and Literature: 1750 to Present	
MUSC 7	Music Appreciation	
MUSC 8	World Music Appreciation	
MUSC 9	Jazz Appreciation	
THAR 1	World Theatre Through Time	
THAR 2	Introduction to Theatre Arts	
THAR 6	Multicultural Perspectives in American Theatre	
ANTH 31	Mesoamerican Origins of Latino Culture	
COMM 2	Introduction to Performance as Communication	
ENGL 1002	(ENGL C1002) Introduction to Literature	
ENGL 2	Introduction to the Novel	
ENGL 3	Introduction to Poetry	
ENGL 7	Introduction to the Short Story	
ENGL 10	Introduction to Environmental Literature	
ENGL 12	Children's Literature	
ENGL 25	Introduction to Linguistics	
ENGL 27	Introduction to Shakespeare	
ENGL 30.1	American Literature: Pre-Colonial Period to the Civil War	
ENGL 30.2	American Literature from 1865 to the Present	
ENGL 31	African American Literature	
ENGL 33	Chicano/Chicana Arts and Literature	
ENGL 46.1	Survey of English Literature Part 1	
ENGL 46.2	Survey of English Literature Part 2	

FREN 1	Elementary French-Part 1	
FREN 2	Elementary French-Part 2	
FREN 3	Intermediate French-Part 1	
FREN 4	Intermediate French-Part 2	
GERM 1	Elementary German-Part 1	
GERM 2	Elementary German-Part 2	
GERM 3	Intermediate German-Part 1	
GERM 4	Intermediate German-Part 2	
HIST 1.1	World History to 1500 C.E.	
HIST 1.2	World History Since 1500 C.E.	
HIST 4.1	History of Western Civilization to 1648 C.E.	
HIST 4.2	History of Western Civilization from 1648 C.E.	
HUM 4.1	Western Humanities: Arts, Ideas, and Values	
HUM 5	World Humanities: Arts, Ideas, Values	
HUM 6	Humanities in the United States	
HUM 7	Introduction to the Humanities	
HUM 8	Comparative Mythology	
ITAL 1	Elementary Italian-Part 1	
ITAL 2	Elementary Italian-Part 2	
ITAL 3	Intermediate Italian-Part 1	
ITAL 4	Intermediate Italian-Part 2	
PHIL 6	Introduction to Philosophy	
PHIL 7	Contemporary Moral Issues	
PHIL 9	Political Philosophy	
PHIL 10	Philosophy of Peace and Nonviolent Action	
PHIL 11	Introduction to Asian Philosophy	
PHIL 12	Environmental Philosophy	
PHIL 20	History of Western Philosophy: Ancient and Medieval	
PHIL 21	History of Western Philosophy: Modern	
RELS 1	Introduction to Religious Studies	
RELS 2	World Religions	
RELS 3	History of God	
RELS 6.66	History of Satan	
RELS 15	Islam	
RELS 21	The Jewish Bible and the Birth of God	
RELS 22	Jesus and the Invention of Christianity	
RELS 32	Religion in America	
SPAN 1	Elementary Spanish-Part 1	4
SPAN 2	Elementary Spanish-Part 2	4
SPAN 3	Intermediate Spanish-Part One	4
SPAN 4	Intermediate Spanish-Part 2	4
Total Hours/Units		**31**

Program Student Learning Outcomes

1. Place a work of art in its historical and stylistic context;
2. Identify major monuments and movements in the history of art;
3. Develop a vocabulary to discuss art in aesthetic terms;
4. Demonstrate skills in visual analysis by identifying specific formal elements;
5. Refine critical analysis skills in comparing works of art;
6. Identify cultural artistic characteristics and global traditions; and
7. Recognize basic methods and materials used in architecture, painting, sculpture, print-making, ceramics metalwork, and textiles.

Automotive Diagnostics (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automotive Diagnostic Technician major offers both theoretical and hands-on training, including engine theory, fuel systems, heating ventilation and air conditioning, pollution control systems, electrical systems, drive trains, suspension systems, and hybrid & electric vehicle systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice automotive technicians.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

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Major Requirements

Code	Title	Hours/ Units
Automotive Diagnostic Technician Major		
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 110	Internal Combustion Engine Theory and Repair	3
ATL 111	Electric and Hybrid Vehicle Powertrain Systems	3
ATL 120	Automotive Automatic Transmission and Transaxle Systems	3
ATL 140	Automotive Suspension and Steering Systems	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
ATL 180	Internal Combustion Engine Performance	3
Select any combination totaling at least 9.00 units from the following:		9
ATL 163	Mobile Electrical Systems 3	
CS 81.41	Programming Essentials in Python for Networking	
ELEC 88	Computer Hardware	
ELEC 153	Programmable Logic Controllers	
ELEC 180	Lab VIEW for Technicians	
Total Hours/Units		**38**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Identify engine block assembly components and configurations.
6. Demonstrate the proper steps to remove a cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer's specification and procedure.
7. Demonstrate the proper steps for performing a timing belt replacement and setting the timing belt, crankshaft, and camshafts in proper positions.
8. Demonstrate the precautions (personal and shop safety procedures) needed to safely work with high voltage systems.
9. Demonstrate acquired knowledge related to the components used of modern Hybrid/ Electronic vehicles.
10. Demonstrate familiarity with reference materials such as schematics, flow charts, logic trees, and workshop manuals to aid in battery system troubleshooting.
11. Demonstrate how to perform basic maintenance related to hybrid and electric vehicles.
12. Demonstrate how to diagnose a basic hybrid or electric vehicle fault using standard diagnostic equipment.
13. Research and identify correct procedures and specifications for maintenance and repair of automatic transmissions and transaxle systems.
14. Research and identify correct procedures and specifications for maintenance and repair of suspension and steering systems.
15. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
16. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
17. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
18. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
19. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
20. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
21. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.
22. Explain the operation, troubleshooting and repair of the ignition, fuel and emission control systems of late model automobiles.
23. Demonstrate repair of automotive ignition, fuel, and integrated electronic engine controls.
24. Perform diagnosis, service, and maintenance procedures in a timely manner to industry standards.
25. Describe the principles of structured programming and be able to describe, design, implement, and test structured programs using currently accepted methodology.
26. Troubleshoot and repair system components.
27. Establish electronic communication between a programmable logic controller (PLC) and a personal computer.
28. Identify and correct Virtual Instruments program errors.
29. Demonstrate proper methods for high voltage glove testing.
30. Demonstrate the proper use of a voltmeter in performing high voltage battery testing.
31. Demonstrate the proper use of ohm meters for motor testing.
32. Demonstrate the calibration process for Advanced Driver Assistance Systems (ADAS).
33. Demonstrate a scope capture of a specialized internal communications network BUS signal.
34. Access and interpret module data on ADAS.

Automotive Technology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automotive Technology major offers both theoretical and hands-on training, including engine theory, fuel systems, heating ventilation and air conditioning, pollution control systems, electrical systems, drive trains, brake systems, suspension systems, and hybrid and electric vehicle systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be

able to find employment as advanced entry-level apprentice automotive technicians.

Associate Degree Requirements

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 110	Internal Combustion Engine Theory and Repair	3
ATL 120	Automotive Automatic Transmission and Transaxle Systems	3
ATL 130	Automotive Manual Transmissions and Drive Train Systems	3
ATL 140	Automotive Suspension and Steering Systems	3
ATL 150	Automotive Braking Systems	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
ATL 180	Internal Combustion Engine Performance	3
MACH 51.1A	Beginning Machine Tool Technology	3
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Total Hours/Units		**37**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Identify engine block assembly components and configurations.
6. Demonstrate the proper steps to remove a cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer's specification and procedure.
7. Demonstrate the proper steps for performing a timing belt replacement and setting the timing belt, crankshaft, and camshafts in proper positions.
8. Research and identify correct procedures and specifications for maintenance and repair of automatic transmissions and transaxle systems.
9. Research and identify correct procedures and specifications for maintenance and repair of manual transmission and drive train systems.
10. Research and identify correct procedures and specifications for maintenance and repair of suspension and steering systems.
11. Research and identify correct procedures and specifications for maintenance and repair of braking systems.
12. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
13. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
14. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
15. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
16. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
17. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
18. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.
19. Explain the operation, troubleshooting and repair of the ignition, fuel and emission control systems of late model automobiles.
20. Demonstrate repair of automotive ignition, fuel, and integrated electronic engine controls.
21. Perform diagnosis, service, and maintenance procedures in a timely manner to industry standards.
22. Demonstrate knowledge of the theory of machining as applied to machine tool techniques.
23. Demonstrate use of tools and equipment in a welding shop per American National Standards Institute (ANSI) safety standards Z49.
24. Perform arc weld from the flat, fillet weld position per American Welding Society (AWS) standards.
25. Perform oxy-acetylene weld on a butt joint, lap joint, fillet joint, and brazing fillet joint per AWS standards.

26. Demonstrate ability to safely use oxy-acetylene cutting torch per AWS standards.

Biology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Biology major is designed for students who are pursuing transfer to four year programs in the biological sciences, including general biology, cell or molecular biology, organism biology, marine biology, botany, zoology, ecology, environmental sciences, evolution, genetics, anatomy, physiology, microbiology, and agricultural sciences. The major is also designed for students planning to pursue careers in dentistry, medicine, veterinary medicine, or physical therapy. It is not designed, however, to meet the needs of students interested in pursuing studies in allied health fields. Please see a counselor for assistance in choosing an appropriate major, or to begin this program.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Biology Major Core Requirements		
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	5
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)	5
BIO 2.3	Fundamentals of Biology (Botany and Ecology)	5
BIO 10	Introduction to Principles of Biology	4
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3AL	General Chemistry Part 1: Lab	2
CHEM 3B	General Chemistry Part 2	5
Complete any combination totaling at least 7.00 units from the following:		7
PHYS 20A	General Physics Part I	
PHYS 20B	General Physics Part II	
PHYS 40 & PHYS 41	Classical Mechanics for Scientists and Engineers and Waves, Optics, and Thermodynamics for Scientists & Engineers	
Complete any combination totaling at least 4.00 units from the following:		4
MATH 1A	Calculus, First Course	
STAT 1000	(STAT C1000) Introduction to Statistics	
MATH 27	Precalculus Algebra and Trigonometry	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**41**

Program Student Learning Outcomes

1. Apply the scientific method to investigating and evaluating biological phenomenon and summarize results in written scientific format;
2. Perform laboratory techniques, including microscopy, with a high level of expertise without assistance or instruction;
3. Synthesize evolutionary mechanisms, trends, and history with biodiversity;
4. Integrate the levels of biological organization including cell mechanisms, anatomy, physiology, genetics, ecology, and evolution;
5. Investigate human interactions with all levels of biological processes emphasizing the principles of ecosystem, community, population ecology, and global human impacts;
6. Apply knowledge of biological organisms and principles in advanced courses in order to transfer to four year institutions.

Biology (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Biology Associate in Science for Transfer degree is designed to provide a clear pathway to a CSU major and baccalaureate degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	5
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)	5
BIO 2.3	Fundamentals of Biology (Botany and Ecology)	5
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3AL	General Chemistry Part 1: Lab	2
CHEM 3B	General Chemistry Part 2	5
MATH 1A	Calculus, First Course	5
or MATH 27	Precalculus Algebra and Trigonometry	
Complete any combination totaling at least 8.00 units from the following:		8
PHYS 20A & PHYS 20B	General Physics Part I and General Physics Part II	
PHYS 40 & PHYS 42	Classical Mechanics for Scientists and Engineers and Electricity and Magnetism for Scientists and Engineers	
Total Hours/Units		**38**

Notes

STAT C1000 or MATH 16 or MATH 25 will fulfill Math requirements for this AS-T. See a counselor for more information.

Program Student Learning Outcomes

1. Apply the scientific method to investigate and evaluate biological phenomena and summarize results in written scientific format;
2. Perform laboratory techniques independently including microscopy, with a high level of expertise synthesize evolutionary mechanisms, trends, and history with biodiversity;
3. Integrate the levels of biological organization including cell mechanisms, anatomy, physiology, genetics, ecology, and evolution;
4. Investigate human interactions with all levels of biological processes emphasizing the principles defining ecosystems, communities, population ecology, and global human impacts;
5. Apply knowledge of biological organisms and principles in preparation for upper-division courses.

Business Administration 2.0 (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Science for Transfer in Business Administration 2.0 degree will provide students with the lower division course work to successfully prepare for upper division work.

Associate Degree for Transfer Requirements

See the state issued Transfer Model Curriculum (TMC) (https://curriculum.santarosa.edu/transfer-model-curriculum) template for any further clarification regarding program requirements.

This degrees allows students to fulfill lower division major requirements at a community college and guarantee transfer with junior status to the CSU system. Students who complete an ADT and transfer to a similar major at a CSU are guaranteed a pathway to finish their baccalaureate degrees in 60 semester units.

This degree requires students to meet both of the following requirements:

(1) Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:

> (A) The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements. (https://articulation.santarosa.edu/ge-breadth)
>
> (B) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district (please see the requirements below).

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis, where a Pass is defined as a “C” or better.

A maximum of 12 units are allowed with a P grade for students earning an Associate Degree. For detailed information, please refer to the SRJC Grading Policy.

Major Requirements

Code	Title	Hours/ Units
Business Administration for Transfer Core Requirements		
BAD 1	Financial Accounting	4
BAD 2	Managerial Accounting	4
BAD 18	The Legal Environment of Business	3
ECON 2002	(ECON C2002) Principles of Macroeconomics	3
ECON 2001	(ECON C2001) Principles of Microeconomics	3
STAT 1000	(STAT C1000) Introduction to Statistics	4
Business Administration for Transfer List A		
MATH 9	Finite Mathematics	4
or MATH 16	Business Calculus	
Business Administration for Transfer List B		
BAD 10	American Business in Its Global Context	3
or BMG 52	Business Communication	
Total Hours/Units		**28**

Program Student Learning Outcomes

1. Satisfy the educational requirements necessary to successfully pursue a baccalaureate degree in Business Administration.
2. Demonstrate analytical, critical thinking, and decision-making skills required to succeed in a business context.
3. Demonstrate an understanding of the complex nature of business in a diverse global economy with the integration of ethics and social responsibility.
4. Integrate knowledge of the elements of American business and economic principles including accounting, law, management, marketing, and human relations in organizations.

Business: Accounting (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Accounting degree is designed for students planning to seek accounting positions in business, industry, or government upon completion of the required course of study. The program also meets the needs of individuals seeking to learn applications of accounting theory as practiced in the field. The program provides individuals with the foundation to prepare financial statements and record business transactions for all types of business and industry. Students develop a strong knowledge base of U.S. Generally Accepted Accounting Principles (GAAP) and accounting procedures. Communication skills, teamwork, computer technology, and ethical behavior are also emphasized

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Business: Accounting Requirements - complete 42.50 units

Code	Title	Hours/ Units
BAD 1	Financial Accounting	4
BAD 18	The Legal Environment of Business	3
BAD 52	Human Relations in Organizations	3
BAD 53	Introduction to Solving Business Problems With Spreadsheets	1.5
BAD 2	Managerial Accounting	4
BMG 53	Oral Communication in Organizations	3
BAD 55	Intermediate Accounting	3
BAD 59	Federal Income Tax Law	3
BBK 53.1	QuickBooks Level 1	1.5
ECON 2002	(ECON C2002) Principles of Macroeconomics	3
BAD 57	Cost Accounting	3
BAD 10	American Business in Its Global Context	3
BBK 53.2	QuickBooks Level 2	1.5
ECON 2001	(ECON C2001) Principles of Microeconomics	3
Select any combination totaling at least 3.00 units from the following:		3
BAD 156	Fund Accounting	
BAD 120	Ethics in Accounting	
ECON 30	International Economics	
Total Hours/Units		**42.5**

Program Student Learning Outcomes

1. Record, classify, summarize, and report the business transactions of a company.

2. Prepare financial statements in conformity with U.S. Generally Accepted Accounting Principles (GAAP).
3. Explain and integrate the role of ethics and standards of professional conduct in the accounting profession.
4. Demonstrate the ability to support management functions through the planning, budgeting, and decision-making processes.
5. Integrate the principles of business, business law, and economics into the accounting functions.
6. Apply the principles of accounting to advance topics such as, but not limited to, taxation, governmental accounting, not-for-profit accounting, and cost accounting.
7. Apply current computer applications to business and accounting functions.
8. Demonstrate the understanding of communication styles and factors that impact communication interactions.
9. Create and apply persuasive oral presentations for use in business settings.

Business: Human Resources (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Within every organization, at least one employee is responsible for the Human Resources activities. The Human Resource Administration program of study provides students with the opportunity to gain skills that can be applied to any organization. These involve compliance with employment law when maintaining personnel files, tracking employee leaves, administering employee benefits, administering and regulating salaries, and maintaining payroll. Students learn how to handle confidential information and sensitive situations.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Business: Human Resource Administration Requirements		
BAD 52	Human Relations in Organizations	3
BMG 53	Oral Communication in Organizations	3
HR 60	Human Resource Management	3
HR 61	Human Resource Employment Law	1.5
HR 62	Human Resource Records	1
HR 63	Human Resource Hiring Process	1
HR 64	Human Resource Compensation Administration	1
HR 65	Human Resource Benefits Administration	1.5
HR 66	Human Resources Administration Current Applications	1
CS 61.1A	Microsoft Excel, Part 1	1.5
CS 61.1B	Microsoft Excel, Part 2	1.5
Select any combination totaling at least 3.00 units from the following:		3
BAD 1	Financial Accounting	
BBK 50	Computerized Bookkeeping and Accounting 1	
BBK 52.1	Payroll Record Keeping and Reporting	
BGN 112	Marketing Your Skills	
BMG 55	Fundamentals of Financial Analysis	
PSYC 34	The Psychology of Prejudice and Discrimination	
WEE 99I	Internship Work Experience Education	
Select any combination totaling at least 4.50 units from the following:		4.5
BGN 71	Business English Grammar	
BGN 100	Professional Business Writing	
BMG 52	Business Communication	
ENGL 1000	(ENGL C1000) Academic Reading and Writing	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**27.5**

Program Requirements Notes

HR 66 Human Resources Administration Current Applications must be the final course taken in the sequence for this program.

Notes

HR 60 Human Resource Management is the orientation course for this program.

Program Student Learning Outcomes

1. Interpret and apply employment laws in a variety of complex human resource situations;

2. Demonstrate competency in specific human resource administrative responsibilities in the areas of hiring, salary administration, benefits administration, and records administration;
3. Apply necessary skills required for managing the complex human interactions and communications that take place in organizations; and
4. Demonstrate an understanding of the strategic role of human resource management in a modern organizational setting; and
5. Demonstrate the technical skills needed in the human resources field.

Business: Real Estate (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Real Estate major will provide students the opportunity to obtain entry-level positions and build their career within the area of real estate. Students will complete courses that meet continuing education requirements for the State of California's Real Estate Salesperson license and that are approved as an education requirement for both the State of California's Broker's license and California Appraiser Qualifications Board Exam. Students will benefit by the additional option of having a real estate major reflected on their Associate Degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Business: Real Estate Major Requirements		
Complete any combination totaling at least 18.00 units from the following:		18
RE 50	Real Estate Principles	
RE 51	Real Estate Practice	
RE 52	Real Estate Finance	
RE 53	Residential Real Estate Appraisal	
RE 54	Commercial Real Estate Appraisal	
RE 55	Legal Aspects of Real Estate	
RE 56	Real Estate Economics	
RE 57	Property Management in California	
RE 58	Real Estate Escrow	
RE 59	Advanced Residential Appraisal	
RE 61	Computer Applications in Real Estate	
RE 62	Advanced Real Estate Finance	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Apply an in-depth knowledge of California Real estate principles and laws to successfully complete licensure requirements for licensee and broker;
2. Satisfy Department of Real Estate and Office of Real Estate Appraisers educational requirements for state licensing;
3. Apply necessary skills required for marketing and negotiating real estate transaction;
4. Demonstrate the ability to communicate effectively and ethically with the principals involved in a real property transaction; and
5. Interpret and apply California real estate laws to a variety of real property transactions.

CA: Culinary Arts & Rest. Ops. (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

The Culinary Arts & Restaurant Ops major is designed to train individuals in all aspects of the culinary arts field. Successful students will be prepared to work as cooks, service staff, and supervisors in a wide range of food and beverage service environments, such as restaurants, hotels, catering operations, and institutional settings.

This program of study is also available in two certificate options: Culinary Arts certificate and Restaurant Operations certificate.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that

all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Culinary Arts Major Requirements		
CUL 230	Introduction to Culinary Arts	1.5
CUL 251A	Culinary Fundamentals 1	3
CUL 251B	Culinary Fundamentals 2	3
CUL 251C	Culinary Fundamentals 3	1.5
CUL 253.8	Restaurant Kitchen	4
CUL 254	Introduction to Baking and Pastry	3.5
CUL 254.5	Professional Plate Presentation	1
CUL 255	Production Baking	4
CUL 255.2	Careers in the Food and Beverage Industry	1
CUL 258.1	Restaurant Dining Room Service	3
CUL 258.2	Restaurant Wine Service	1
CUL 258.3	Wine and Food Pairing	1.5
CUL 258.4	Introduction to Front House Operations	1
CUL 258.6	Restaurant Operations	3
Select any combination totaling at least 6.00 units from the following:		6.0
BAD 53	Introduction to Solving Business Problems With Spreadsheets	
BGN 81	Practical Business Math Skills	
BMG 61	Skills for Managers	
CS 61.1A	Microsoft Excel, Part 1	
CUL 99I	Culinary Arts Internship	
CUL 255.1	Specialty Production Baking	
CUL 260.7	Bakeshop Operations	
DIET 52	Management Training Techniques	
DIET 55	Food Production Management	
FDNT 10	Elementary Nutrition	
HOSP 50	Introduction to Tourism in Sonoma County	
HOSP 53	Customer Service	
HOSP 54	Customer Relations for the Hospitality Industry	
SPAN 1	Elementary Spanish-Part 1	
SUAG 5	Introduction to Sustainable Agriculture	
SUAG 120	Organic Gardening and Food Production	
WINE 1	Introduction to Viticulture, Winemaking, Wines of the World	
Select any combination totaling at least 1.00 unit from the following:		1
CUL 261.1	Wedding Cake Baking and Assembly	
CUL 261.2	Fancy Cakes: Chocolate, Marzipan, & Rolled Fondant	
CUL 261.3	Holiday Cake Baking	
CUL 262.1	Artisan Bread Baking	
CUL 262.2	Sourdough Breads	
CUL 262.3	Pizza and Focaccia	
CUL 262.4	Whole Grain Breads	
CUL 262.5	Enriched Yeast Breads	
CUL 262.6	Holiday Yeast Breads	
CUL 262.7	Brunch Pastries	
CUL 263.1	Seasonal Pie Baking	
CUL 263.2	Holiday Pie Baking	
CUL 263.3	Seasonal Tart Baking	
CUL 263.4	Holiday Tart Baking	
CUL 263.5	Holiday Cookie Baking	
CUL 264.1	Artisan Chocolates	
CUL 264.2	Holiday Candy Making	
CUL 264.3	Ice Cream, Sorbet and Frozen Desserts	
CUL 264.4	Gluten-Free Baking	
CUL 271.3	Sonoma Wine Country Cuisine	
CUL 276.1	French Cuisine: Provence	
CUL 276.2	French Cuisine: Paris	
CUL 276.3	French Cuisine: Burgundy	
CUL 276.4	American Cuisine: Cajun & Creole	
CUL 276.5	American Cuisine: Southern	
CUL 276.6	American Cuisine: Hawaiian	
CUL 276.7	Japanese Cuisine: Tokyo	
CUL 276.8	Japanese Cuisine: Osaka	
CUL 276.9	Japanese Cuisine: Street Food	
CUL 277.1	Swiss Cuisine	
CUL 277.2	China: Pekinese Cuisine	
CUL 277.3	China: Shanghainese Cuisine	
CUL 277.4	China: Hunanese Cuisine	
CUL 277.5	China: Cantonese Cuisine	
CUL 277.9	Vietnamese Cuisine	
CUL 278.1	Indian Cuisine	
CUL 278.2	Malaysian Cuisine	
CUL 278.3	Mediterranean Cuisine	
CUL 278.4	Greek Cuisine	

CUL 278.5	Spanish Cuisine	
CUL 278.6	Mexican Cuisine: Oaxacan	
CUL 278.7	Mexican Cuisine: Yucatan	
CUL 278.8	Mexican Cuisine: Veracruz	
CUL 279.2	Italian Cuisine: Northwestern	
CUL 279.3	Italian Cuisine: Northern	
CUL 279.4	Italian Cuisine: Northeastern	
CUL 279.5	Italian Cuisine: Southern	
CUL 279.6	Italian Cuisine: Eastern Central	
CUL 279.7	Italian Cuisine: Western Central	
CUL 280.1	Plant-Based Cuisine	
CUL 280.2	Root-to-Stem Vegetarian Cooking	
CUL 280.3	Vegetarian Salads	
CUL 280.4	Braising Vegetables	
CUL 280.5	Vegan Baking	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**40**

Notes

The degree will be granted upon completion of the required courses with a grade of "C" or better.

Before enrolling, please contact **Department Chair Shelly Kaldunski** (skaldunski@santarosa.edu) to help with scheduling decisions (classes are in eight week blocks).

Program Student Learning Outcomes

1. Demonstrate station organization, purchasing, storage, menu writing, and sanitation principles as they apply to food handling;
2. Use classic cooking terminology and methods, apply health and safety standards;
3. Demonstrate skill and apply professional industry standards in food handling, beverage service, baking and food service, and use of hand tools;
4. Demonstrate responsibility and team skills for the food service industry;
5. Describe career opportunities within the food industry and strategize own career;
6. Critique, assess and improve one's own performance, listening skills and communication skills for personal, academic, and career purposes;
7. Recognize the diversity of cultural influences and values related to a professional culinary environment; and
8. Think critically in evaluating information, solving problems, and making decisions related to food preparation and food service.

Chemistry (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Chemistry degree is designed for students who are planning to transfer as Chemistry majors, and who subsequently are planning to pursue a career in industrial research and development, medicine, science teaching, toxicology, pharmacy, environmental studies, space studies or other related fields. To complete this major, students must complete a library research course and 39 units of preparatory chemistry, math and physics courses that are required by accredited four-year institutions. Additional courses must be taken to satisfy the General Education requirements of Santa Rosa Junior College.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Chemistry Major Requirements		
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3AL	General Chemistry Part 1: Lab	2
CHEM 3B	General Chemistry Part 2	5
CHEM 12A	Organic Chemistry	5
CHEM 12B	Organic Chemistry	5
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
PHYS 40	Classical Mechanics for Scientists and Engineers	5
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers	4

Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**40**

Program Student Learning Outcomes

1. Relate observable phenomena to molecular events according to prevailing chemical theories;
2. Identify, synthesize, predict and explain the structure of a variety of compounds, both inorganic and organic;
3. Accurately and safely obtain and analyze data from experimental sources, including traditional laboratory methods, computer-interfaced data collection devices, and advanced analytical instrumentation;
4. Use critical thinking skills to analyze applications of chemical knowledge and theories; and
5. Communicate effectively the results of laboratory experiments, including error analysis.

Child Development (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This major will prepare students for careers in Child Care and Preschool Education. It parallels the academic requirements of the Child Development Teacher Permit issued by the California Commission on Teacher Credentialing.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Child Development Major Requirements		
CHLD 10	Child Growth and Development	3
CHLD 51	Principles and Practices of Early Childhood Education	3
CHLD 66	Early Childhood Care and Education Practicum	4
CHLD 68	Working With Children and Families in a Diverse Society	3
CHLD 90.1	Child, Family, Community Interrelationships	3
CHLD 90.2	Observation and Assessment of Young Children	3
CHLD 90.3	Health, Safety and Nutrition for the Young Child	3
CHLD 90.4	Introduction to Curriculum	3
Child Development Electives		
Select any combination totaling at least 3.00 units from the following:		3
CHLD 53A	Introduction to Children with Special Needs	
CHLD 53B	Supporting Children w/ Special Needs in Early Childhood Prgm	
CHLD 54	Play in Early Childhood	
CHLD 55.2	Exploring Science and Math with Young Children	
CHLD 55.5	Foundations of Language and Literacy	
CHLD 55.6	Art for the Young Child	
CHLD 55.7	Music and Movement for Children	
CHLD 79.1	Administration of Early Childhood Education Programs	
CHLD 79.2	Leadership & Personnel Skills for Early Child. Administrator	
CHLD 79.4	Adult Supervision and Mentoring	
CHLD 82	Family Engagement in Early Care & Education	
CHLD 95	Developing Social Competence in the Early Childhood Years	
CHLD 96	Working Through Stress and Loss With Children and Families	
CHLD 111A	Care and Education of Child---Birth to 3 Years	
CHLD 183	Screen Media and Child Development	
CHLD 185.1	Creative Indoor Environments for Young Children	
CHLD 185.2	Creative Outdoor Environments for Young Children	
CHLD 186	Spanish Language Arts for Young Children	
CHLD 220	Effective Guidance and Discipline	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**29**

Notes

No course may be used more than once to fulfill a requirement in the major. A grade of "C" or better is required for all major classes.

Program Student Learning Outcomes

1. Integrate an understanding of the potential, the characteristics, and the multiple influences on the development of children into the delivery of high quality care and education programs;
2. Design, implement and evaluate play based environments and activities that support developmentally appropriate learning outcomes for all young children;
3. Apply effective guidance and interaction strategies that support all children's social learning, identity and self-esteem;
4. develop strategies that promote relationships between programs, teachers, families and their communities; and
5. Demonstrate ethical standards and professional behaviors that reflect understanding, knowledge and a commitment to the field of early childhood education and care.

Civil Engineering Technology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Civil Engineering Technology Program *"Your Career by Design!"*
The Civil Engineering Technology program prepares students for variety of technical positions in the civil engineering and engineering construction professions. The program recommended course sequence is set up to allow the student to progress through four semesters and achieve an Associate's Degree or Certificate of Achievement.

A career in Civil Engineering?
In general, people who like civil engineering also like math—primarily geometry and trigonometry. The field attracts people with geology, surveying, computer science, and construction backgrounds, too. Civil engineering curriculum includes courses in algebra, geometry, trigonometry, computer-aided drafting (CAD), surveying, geospatial technology (GIS), geology and problem solving.

What is Civil Engineering?
Civil engineering is the oldest, largest and most diverse disciplines of the engineering profession. The civil engineering technician will help plan, design, build, develop, and maintain public works facilities, subdivisions, urban and regional planning projects, land developments, land and geographical information systems, transportation systems, water distribution systems, waste treatment facilities and many other types of civil engineering projects.

What do Civil Engineering Technicians do?
The technician may be involved in civil engineering design, soil and materials testing, construction inspection, estimating, scheduling, data and information systems, plan checking, planning, environmental and geotechnical work.

Today's Technology
The civil engineering technician will use state of the art equipment and applications of high technology to translate the ideas and directions of the engineer, planner and surveyor into meaningful information used by industry.

A successful civil engineering technician should possess good communication skills, mechanical and computational aptitude, the ability to work in different environments, and a desire to answer tomorrow's challenges.

Career Options
Civil engineering is a career field in high demand throughout industry, government and the private sector. As a land surveyor you will provide services for planned communities, schools, shopping centers, highway projects and more.

The Bureau of Labor Statistics expects job opportunities in the surveying field to grow steadily through 2014, and the areas of urban planning, architecture, construction, and disaster and emergency planning will be particularly strong.

The following are examples of career paths for the Civil Engineering Technology Certificate or Major (AS). Note that some positions require licensing or certification by the state, not just a degree or certificate of achievement.

Civil Engineering Career Ladder

- Principal Civil Engineer (Owner or Principal in company, Professional Engineer License)
- Associate Civil Engineer (Supervisor, PE License)
- Assistant Civil Engineer (Lead Person, Engineer-in-Training (EIT) Certificate)
- Civil Engineering Technician I, II, III (Certificate of Achievement from SRJC and experience)
- Civil Engineering Aide (Part time employees without certificate)

Engineering Construction Career Ladder

- General Manager
- Project Manager/Administrator
- Estimator

Public Works Career Ladder

- Resident Engineer (Similar to Civil Engineering ladder)
- Public Works Inspector (Similar classifications as Civil Engineering ladder)
- Soils and Materials Technician (Similar classifications as Civil Engineering ladder)

Urban Planning Career Ladder

- Principal Planner
- Associate Planner
- Assistant Planner
- Planning Technician
- Plan Check Technician

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Civil Engineering Technology Core Requirements		
APTE 191	Problem Solving in Civil Engineering Technology	3
CEST 51	Civil Drafting Technology	3
CEST 63	Subdivision Planning	3
CEST 64	Public Works Inspection and Testing	3
CEST 65	Public Works Plans and Estimating	3
CEST 85	CADD for Civil, Surveying and Land Development	3
CEST 192	Non-Technical Skills for the Civil Engineering Technician	3
GIS 40	Introduction to Geographic Information Systems (GIS)	4
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**26**

Program Student Learning Outcomes

1. Define and describe civil engineering terminology, methods, procedures, standards and technology;
2. Perform mathematical, computer and statistical computations related to location, elevation, grade, distance, direction, area, volume and properties of civil engineering materials;
3. Communicate clearly and effectively in oral, written and graphic formats;
4. Prepare basic civil engineering documents and drawings using computer-aided drafting and geographic information systems technology;
5. Research, file, retrieve, analyze, locate and prepare basic drawings, maps, documents, records, reports and correspondence related to civil engineering projects;
6. Demonstrate basic analytical, critical thinking and decision-making skills in civil engineering, land surveying and development; and
7. Describe the influence/effect civil engineering, land surveying and development has on the local, regional, national and global communities.

Commercial Music (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The purpose of the Commercial Music Program, (formerly Audio Production for Digital Media), is to provide students with an overview of MIDI sequencing, sound synthesis, audio recording, digital and analog audio technology, live sound, electronic music production, basic music theory, sound design for multimedia applications including video games (for educational and/or entertainment purposes), and delivery of audio content over radio, television, and the Internet. Graduates are prepared for entry-level positions in professional audio production including audio engineering, sound design, audio-for-video post-production, broadcasting, and CD/DVD mastering.

Career Options
Audio production technicians use hardware and software to create, record, store, and edit musical and non-musical sounds. The development of multimedia and the Internet have created a variety of occupations built around the development and use of platform-specific tools for linear and non-linear digital audio production.

Potential Careers:

- Sound Designer
- Audio Engineer
- Record Producer
- Post-Production Mixer/Editor
- Sound Effects/Dialog Editor

This program of study is also available as a Certificate of Achievement.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Commercial Music Requirements		
MUSC 50	Introduction to Music Technology	3
Select one of the following options:		12
Recording option:		
MUSC 51	Electronic Music	
MUSC 52	Intro To Sound for Video Games and Media	
MUSC 60A	Intro to Studio Recording	
MUSC 60B	Advanced Recording, Mixing and Mastering	
Music Industry option:		
MUSC 60A	Intro to Studio Recording	
MUSC 60B	Advanced Recording, Mixing and Mastering	
MUSC 70A	Music Industry 1: Fundamentals	
MUSC 70B	Music Industry 2: Marketing & Distribution	
Songwriter students option:		
ENGL 4A	Beginning Creative Writing	
MUSC 2A	Music Theory 1	
MUSC 51	Electronic Music	
MUSC 55	Songwriting	
Select any combination totaling at least 2.00 units from the following:		2
MUSC 1	Music Fundamentals	
MUSP 11A	Class Piano 1	
MUSP 19A	Beginning Guitar	
MUSC 51	Electronic Music	
MUSC 52	Intro To Sound for Video Games and Media	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**18**

Notes

Courses may appear in more than one Major area. Courses within the major may be used only once to satisfy major requirements.

Program Student Learning Outcomes

1. Demonstrate technical proficiency with a Digital Audio Workstation (DAW);
2. Create digital audio recordings and master them for distribution.
3. Design audio for video, computer games, and other multimedia applications.
4. Produce and write commercial songs.

Communication Studies 2.0 (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in Communications Studies 2.0 degree at Santa Rosa Junior College provides students with an introduction to and overview of the field of communication while providing a solid foundation in Communication Studies. Students are provided both theoretical perspectives and practical speaking experience, including the opportunity to be a part of a national award-winning SRJC Forensics Speech, Debate, & Performance Team and/or being part of the student newspaper, The Oak Leaf. This emphasis offers comprehensive lower division baccalaureate work in the field of communication.

Associate Degree for Transfer Requirements

See the state issued Transfer Model Curriculum (TMC) (https://curriculum.santarosa.edu/transfer-model-curriculum) template for any further clarification regarding program requirements.

This degrees allows students to fulfill lower division major requirements at a community college and guarantee transfer with junior status to the CSU system. Students who complete an ADT and transfer to a similar major at a CSU are guaranteed a pathway to finish their baccalaureate degrees in 60 semester units.

This degree requires students to meet both of the following requirements:

(1) Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:

> (A) The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements. (https://articulation.santarosa.edu/ge-breadth)
>
> (B) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district (please see the requirements below).

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis, where a Pass is defined as a “C” or better.

A maximum of 12 units are allowed with a P grade for students earning an Associate Degree. For detailed information, please refer to the SRJC Grading Policy.

Communication Studies 2.0 - 18 units

Code	Title	Hours/ Units
Communication Studies 2.0 Core		
COMM 1000	(COMM C1000) Introduction to Public Speaking	3
COMM 6	Interpersonal Communication	3
Communication Studies 2.0: List A		9
COMM 2	Introduction to Performance as Communication	
COMM 4	Survey of Communication	
COMM 5	Group Discussion and Problem Solving	
COMM 7	Intercultural Communication	
COMM 10	Introduction to Communication Theory	
FMA 4	Introduction to Mass Communication	
COMM 3	Introduction to Argumentation	
or COMM 9	Critical Thinking and Argumentation	
COMM 52A	Forensics and Public Performance	
or COMM 52	Intercollegiate Speech and Debate	
Communication Studies 2.0: List B		3
COMM 4	Survey of Communication	
ANTH 2	Cultural Anthropology	
PSYC 1000	(PSYC C1000) Introduction to Psychology	
SOC 1	Introduction to Sociology	
ENGL 1002	(ENGL C1002) Introduction to Literature	
ENGL 1001	(ENGL C1001) Critical Thinking and Writing	
JOUR 1	Introduction to Journalism	
JOUR 2	News Gathering and News Writing	
JOUR 5	Non-Fiction Digital StoryTelling	
FMA 6	Media, Culture, and Identity	
FMA 44	Media Criticism	
Total Hours/Units		**18**

Program Student Learning Outcomes

1. Apply communication theory to more effectively communicate in a variety of public, private, and social contexts.
2. Effectively express one's ideas through oral communication.
3. Utilize critical thinking skills to defend, refute, and critique presentations.

Constructn Managmnt Fundamntls (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students will gain fundamental knowledge and practical experience with construction management skills, tools, and techniques necessary to be employed in an entry-level construction management position at a local residential or light-commercial construction industry firm. Light-commercial construction involves non-residential buildings constructed of light gauge metal framing or wood.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Construction Management Fundamentals		
CONS 101	Introduction to the Construction Industry	3
CONS 102	Construction Practice and Technologies	3
CONS 103	Construction Materials, Methods and Equipment	3
CONS 104	Construction Management and Scheduling	3
CONS 105	Construction Contract Documents	3
CONS 106	Construction Estimating and Bidding	3
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Understand the skills and knowledge required for entry-level positions in construction management.
2. Identify safety-related issues that occur on a construction jobsite and explain safe use of equipment, techniques, and materials usage.
3. Describe various construction phases and detailed construction processes for a typical residential or light-commercial project.
4. Perform basic and accurate quantitative construction material quantity surveys (take-offs) from construction drawings.

5. Explain the relationship between different professionals or agencies involved in a construction project.
6. Utilize, write, or modify construction documents or forms such as contracts, specifications, Requests For Information (RFI), and change orders.
7. Prepare preliminary cost estimates and project construction schedules for residential and light-commercial construction projects.

CS Computer Science (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Science major will allow students whose planned transfer major is Computer Science to earn an Associate Degree while meeting the typical lower division requirements for a Computer Science degree at a four-year institution.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Computer Science Major Core Requirements		
CS 10A	Introduction to Programming Concepts and Methodologies	4
CS 10B	Programming Concepts and Methodologies 1	4
CS 10C	Programming Concepts and Methodologies 2	4
CS 12	Assembly Language Programming/Computer Architecture	4
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
MATH 4	Discrete Mathematics	4
Complete any combination totaling at least 4.00 units from the following:		4
PHYS 40	Classical Mechanics for Scientists and Engineers	
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers	
PHYS 42	Electricity and Magnetism for Scientists and Engineers	
Total Hours/Units		**34**

Program Student Learning Outcomes

1. Successfully pursue a bachelor's degree in computer science at a four-year institution;
2. Apply the basic and intermediate problem solving and programming skills and tools necessary to succeed in upper division computer science courses; and
3. Apply the mathematical tools necessary to succeed in upper division computer science courses.

CS Cybersecurity (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The CS Cybersecurity Major provides a course of study that prepares students to implement and administer a secure Information Technology (IT) environment. As a significant upgrade to the traditional IT Administrator role, it is foundational to further study in the cybersecurity field. This major focuses on the requisite Knowledge, Skills, and Abilities (KSAs) to securely maintain Microsoft Systems and Cisco networks, including the ability to learn and manage other vendor platforms.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Computer Studies: Network and Systems Security Administration Requirements		
CS 81.41	Programming Essentials in Python for Networking	3
CS 82.2A	Introduction to Networks	4
CS 82.2B	Switching, Routing and Wireless Essentials	4
CS 82.2C	Enterprise Networking, Security, and Automation	4
CS 82.58	Introduction to Information Systems Security	3
CS 82.71	Ethical Hacking and Systems Defense	3
CS 84.26	Project Management for IT Professionals	3
CS 180.3	Introduction to Virtualization and Cloud Computing	3
CS 181.2	Linux Administration 1	3
CS 181.3	Linux Administration 2	3
Computer Studies: Network and Systems Security Administration Electives		
Select any combination totaling at least 6.00 units from the following:		6
CS 50A	Web Development 1	
CS 55.13	Server-Side Web Development	
CS 81.62	Relational Database Concepts and Structured Query Language	
CS 82.57	Cybersecurity Operations	
CS 98	Independent Study in Computer Studies	
CS 8	Foundations of Data Science	
or MATH 8	Foundations of Data Science	
Total Hours/Units		**39**

Notes:

Students can take either CS 8 or Math 8, but not both.

Program Student Learning Outcomes

1. Demonstrate ability to work as a team member in an information technology group which designs, evaluates, tests, installs and maintains corporate computer systems and networks.
2. Communicate clearly and professionally as an Information Technology (IT) professional, in written and verbal formats.
3. Apply basic knowledge of secure computer networks and systems in assisting individuals and organizations with IT services and solutions.

CS Game Development (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Game Development major provides a course of study that prepares students to transfer to a four-year degree program focusing on the design and programming of interactive computer games and leading to a career in the game development industry. The Game Development major focuses on computer programming, mathematics, and game design and programming.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Computer Studies: Game Development Core Requirements		
CS 40	History of Games	3
CS 41	Game Design	4
CS 42	Introduction to Game Coding	4
GD 90	Designing the User Experience	3

Select any combination totaling at least 10.00 units from the following:		10
APTE 43	Computer Modeling and Animation	
CS 10A	Introduction to Programming Concepts and Methodologies	
CS 10B	Programming Concepts and Methodologies 1	
CS 10C	Programming Concepts and Methodologies 2	
CS 17.11	Java Programming	
CS 50A	Web Development 1	
CS 50B	Web Development 2	
CS 50C	Web Development 3 - JavaScript	
CS 74.11	Introduction to Digital Media	
FMA 11	Communication through Game Design	
GD 51	Introduction to Graphic Design	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**25**

Program Student Learning Outcomes

1. Apply systems-level thinking and abstraction in the context of interactive computational media.
2. Recognize and understand the social, legal, ethical, and cultural issues in the discipline of computer games.
3. Demonstrate knowledge of visual interaction design and artistic practices in domains involving playful interactions.
4. Demonstrate written and oral communication skills regarding technical and analytical consideration of computer games.
5. Design a technical system that achieves creative goals for audience experience in computational media.
6. Demonstrate the ability collectively plan, organize, and execute complex, team-oriented projects, using appropriate communication and coordination techniques.

CS Graphic Design (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Graphic Design major is designed to provide students with entry-level skills for business or industry in the field of graphic design, and is structured to provide a practical, hands-on experience in graphic fundamentals. The program addresses basic design principles, layout techniques, professional typographic treatments, computer applications, digital illustration, computer production techniques, offset printing requirements, and business practices. It provides the most current information, technology and equipment possible. Most of the instructors are practicing professionals in the field of graphic design. Students spend much of their time creating practical design pieces from initial sketches all the way through to final digital output that ultimately becomes an integral part of a professional student portfolio.

The graphics professional is a person who loves problem solving on a visual level. This individual enjoys collaborating with others to create effective communication pieces to address client marketing and advertising goals. The designer helps create identities, business systems, posters, flyers, brochures, book covers, advertisements, billboards, packages, magazines, newsletters, wine labels, web sites, compact disk packaging, etc. etc. Graphic design tends to be a fast-paced, deadline-driven profession that demands creativity, quick thinking, good organization, excellent technology skills and well developed visual as well as verbal communication skills.

The program is designed to address graphic design skill sets. In partnership with the Computer Studies application offerings, Graphic Design students master the Adobe graphics standard computer application programs: Photoshop, Illustrator, and Indesign. The companion design, production and illustration classes operate in a workshop manner with lots of real world projects, feedback and group work as part of the curriculum. Additional coursework in business practices, and portfolio development helps to round out this very practical approach to instruction. Students will learn how to:

- develop strong, effective visual communication concepts
- communicate visually with hand-drawn sketches
- create simple graphic treatments using basic illustration techniques
- use the computer as a production and creativity tool
- create mock-ups of all types of graphic design using hand skills
- set-up computer files for off-set printing
- use typography effectively
- work with clients and printers
- set up a freelance studio and bid graphic design projects
- create a professional portfolio

The graphic designer has many employment opportunities in this exciting field including production artist, in-house graphic designer, free-lance designer, or computer illustrator. Many students in the program have jobs in the field before they graduate. We offer an intern program for qualified students to gain on-the-job experience with local businesses while acquiring new skills.

Students who complete the program work for a variety of businesses in the local community. Publishers hire them to do advertising design, production, PhotoShop work, layout, and design. Small businesses require data sheets, newsletters, websites, advertising and brochures. Graphic design studios need employees with strong computer backgrounds, good ideation techniques and precise mock-up skills. Many students graduate with the goal of owning their own free-lance businesses.

There is also a certificate which is the second step in a career ladder. Students who have already completed the Graphic Design Production Fundamentals Skills Certificate will have fulfilled a portion of the Graphic Design Certificate of Achievement. For students interested in a Certificate of Achievement, see the certificate site.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Graphic Design Major Requirements		
CS 70.1	Photoshop 1: Fundamental Skills	3
CS 71.11	Adobe Illustrator 1	3
CS 72.1A	Adobe InDesign 1	3
GD 15	History of Graphic Design	3
GD 20	Introduction to Typography and Letterforms	3
GD 51	Introduction to Graphic Design	3
GD 53	Design Techniques with Illustrator	3
GD 54	Principles of Layout and Design	3
GD 60	Creating the Professional Portfolio	1.5
GD 62	Color Theory for Designers	1.5
Select any combination totaling at least 4.50 units from the following:		4.5
BMK 51	High Tech Selling and Pursuing a Sales Career	
GD 65	Business Skills for Creatives	
GD 90	Designing the User Experience	
GD 145	Package Design	
Total Hours/Units		**31.5**

Program Student Learning Outcomes

1. Develop professional level communication visuals from initial concept all the way through printed materials using design principles, an understanding of graphic design history, typographic knowledge, hand mock-up and illustration skills, advanced computer skills using the Adobe Suite, and pre press knowledge;
2. Set-up and manage a one person freelance studio complying with governmental regulations, estimating projects, writing up proposals, negotiating with clients, keeping records, billing clients, and managing finances; and
3. Create and present a professional portfolio of at least fifteen finished projects to potential employers and clients using professional level interviewing skills and well designed collateral materials.

CS Virtual Production RVPA (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate Degree in Virtual Production, presented in collaboration with the Regional Virtual Production Academy (RVPA), is designed to equip students with the essential skills for pursuing entry-level careers in virtual production. Students will learn to apply tools from film production, digital imaging, visual effects, and game engines to the virtual production process, creating real-time projects in a virtual production studio. Students are afforded the flexibility to choose courses from participating colleges in the regional collaboration in order to fulfill the requirements for this degree. The Associate Degree in Virtual Production is an RVPA program where some courses are available at SRJC or through one or more of the other five participating colleges. For those courses that are not offered at SRJC, visit https://cs.santarosa.edu/vp to view alternative offerings both in-person and remote.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Advanced Virtual Production (RVPA) Major		
APTE 43	Computer Modeling and Animation	3
CS 70.1	Photoshop 1: Fundamental Skills	3
CS 42	Introduction to Game Coding	4
APTE 162	3D Animation: Visual Effects and Compositing	3
CS 77.11	Introduction to Virtual Production	3
CS 77.12	Virtual Production 2 (RVPA)	3
CS 81.41	Programming Essentials in Python for Networking	3
GD 60	Creating the Professional Portfolio	1.5
Description		
Select one of the following:		4.00
FMA 20	Introduction to Digital Filmmaking	
JOUR 5	Non-Fiction Digital StoryTelling	
Elective Specialist Group: A		
Select any combination totaling at least 3.00 units from the following:		3
APTE 63	3D Animation: Modeling and Rigging	
CS 74.33	Introduction to Motion Graphics (RVPA)	
CS 74.22	Digital Video Post-Production	
CS 75.12	Introduction to Digital 2D Animation (RVPA)	
Elective Specialist Group: B		
Select any combination totaling at least 3.00 units from the following:		3
APTE 70	Intermediate 3D Modeling and Animation (RVPA)	
APTE 71	Intermediate 3D Rigging (RVPA)	
APTE 72	Intermediate Textures for 3D (RVPA)	
APTE 73	Intermediate Digital Sculpting (RVPA)	
APTE 64	3D Animation: Character Animation	
APTE 74	Performance Animation (RVPA)	
APTE 75	3D Layout and Lighting (RVPA)	
FMA 21	Intermediate Digital Filmmaking	
FMA 55	Cinematography and Visual Storytelling (RVPA)	
FMA 19	Multi-Camera Studio Production	
Total Hours/Units		**33.5**

Program Student Learning Outcomes

1. Analyze, describe, and apply the technology requirements of the virtual production workflow.
2. Demonstrate proficiency with game engines, 3D computer graphics, visual effects, and film production.
3. Create projects using the virtual production process with industry-standard software.
4. Demonstrate enhanced collaborative skills and the ability to engage in effective teamwork in a real-time environment.

CS Web and Multimedia (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Web and Multimedia major provides students with the knowledge and skills to generate and manipulate graphics, animations, sound, text and video into consolidated and seamless website and multimedia presentations.

Web and Multimedia Developers should have a good understanding of multimedia design principles including interface design, principles of interaction design, foundations of image, video, and audio content creation, color theory, and typography. Designers need to understand how to optimize media content in a variety of scenarios as well as knowledge of website development. The program stresses a thorough understanding of Principles of Design, HTML, CSS framework, 2-D Animation, JavaScript, video and audio editing. Students will design and deploy websites and multimedia content to meet the standards in the field and of clients from the community.

This program stresses the practical application of multimedia development skills in real life projects. Students projects focus on collaborative efforts to create content for non-profit organizations in Sonoma County. The ability to work in a group, communicate with a client, resolve problems, meet deadlines, and understand the content development cycle is just as important as understanding the software and programming aspects of multimedia. This hands-on approach ensures that as students complete the program, they will have practical experience, as well as finished multimedia projects to feature in an electronic portfolio.

A successful Web and Multimedia Developer exhibits strong work ethics, high standards, patience, strong people skills, and an attention to detail.

Job titles include Web Multimedia Specialist, Interactive Designer, User-interface Designer, UIX Specialist, Multimedia Content Creator.

This program of study is also available as a Certificate option.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Web Development Core Requirements		
CS 50A	Web Development 1	3
CS 50B	Web Development 2	3
CS 50C	Web Development 3 - JavaScript	3
Web and Multimedia Emphasis Requirements		
CS 70.1	Photoshop 1: Fundamental Skills	3
CS 50.33	Web Projects	4
Select any combination totaling at least 3.00 units from the following:		3
CS 74.11	Introduction to Digital Media	
or CS 74.22	Digital Video Post-Production	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**20**

Program Student Learning Outcomes

1. Complete professional projects, products, and other assignments in applications using industry-standard web and multimedia applications.
2. Demonstrate analytical, critical thinking and decision-making skills as they apply to web and multimedia design.
3. Understand, apply, and integrate knowledge of the principles and standards of web and digital media design and demonstrate this in professional projects and assignments that rely on best design practices, software, programming and markup language expertise.

CS Web Full-Stack Developer (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Web Full-Stack Developer degree provides a course of study that prepares students to work on client and server-side web and mobile development. This pathway leads to opportunities for a career in web and mobile development. The Computer Studies: Web Full-Stack Developer degree focuses on the core front-end web and mobile technologies of HTML, CSS, and JavaScript as well as server-side development using the PHP and JavaScript languages together with SQL and NoSQL databases.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Computer Studies: Web Full-Stack Developer		
CS 50A	Web Development 1	3
CS 50B	Web Development 2	3
CS 50C	Web Development 3 - JavaScript	3
CS 50.33	Web Projects	4
CS 55.13	Server-Side Web Development	3
Select any combination totaling at least 3.00 units from the following:		3
CS 10A	Introduction to Programming Concepts and Methodologies	
CS 74.11	Introduction to Digital Media	
CS 81.62	Relational Database Concepts and Structured Query Language	
GD 51	Introduction to Graphic Design	
Total Hours/Units		**19**

Notes

Because CS 55.13 Server-Side Web Development is a limited course offering, it may be taken any time after the first semester of the program. Consult Schedule of Classes for current course offerings.

Program Student Learning Outcomes

1. Work as an effective member of a web or mobile development team;
2. Use principles of software design to analyze programming problems and develop solutions;
3. Create and test web- and mobile-based computer programs that incorporate complex data structures and algorithms along with object-oriented programming methods; and
4. Produce an online, multi-screen web or mobile application with consistency throughout the design and implementation of the application.

Dance (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Dance major leads to an Associate in Arts in Dance and provides the student with a solid foundation in ballet, modern and jazz dance as well as the opportunity to explore other areas of interest. The Dance major will prepare a student for transfer or for careers in dance.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Area I: Core Requirements- Theory		
DANC 2	Survey of Dance History	3
DANC 3.1	Choreography I	1.5
Area II: Core Requirements-Technique		
Select any combination totaling at least 15.00 units from the following:		15
DANC 11.1	Ballet I	
DANC 11.2	Ballet II	
DANC 11.3	Ballet III	
DANC 11.4	Ballet IV	
DANC 11.5	Ballet V	
DANC 11.6	Ballet VI	
DANC 13.1	Jazz Dance I	
DANC 13.2	Jazz Dance II	
DANC 13.3	Jazz Dance III	
DANC 13.4	Jazz Dance IV	
DANC 13.5	Jazz Dance V	
DANC 13.6	Jazz Dance VI	
DANC 16.1	Modern Dance I	
DANC 16.2	Modern Dance II	
DANC 16.3	Modern Dance III	
DANC 16.4	Modern Dance IV	
DANC 16.5	Modern Dance V	
DANC 16.6	Modern Dance VI	
Area III: Dance Electives		
Select any combination totaling at least 4.00 units from the following:		4
DANC 14.2	Contemporary Dance II	
DANC 14.3	Contemporary Dance III	
DANC 14.4	Contemporary Dance IV	
DANC 21.1	Hip Hop/Funk I	
DANC 21.2	Hip Hop/Funk II	
DANC 21.3	Hip Hop/Funk III	
DANC 21.4	Hip Hop/Funk IV	
DANC 21.5	Hip Hop/Funk V	
DANC 21.6	Hip Hop/Funk VI	
DANC 27	Dance Production: Experience	
DANC 28	Choreography for Performance	
DANC 29	Dance Performance and Touring Company	
DANC 32	Dance Repertory	
DANC 88.1	Latin Dance I	
DANC 88.2	Latin Dance II	
DANC 88.3	Latin Dance III	
DANC 88.4	Latin Dance IV	
DANC 150	Teaching Dance Techniques	
KFIT 50	Teaching Aide	
Total Hours/Units		**23.5**

Notes

1. There will be an orientation meeting during the first week of school. Please check with the department for place and time.
2. It is **highly** recommended to take the courses in the sequence suggested; i.e., take Level I first semester (all dance forms), then Level II the second semester, etc.

The courses below are only offered during the indicated semester:
DANC 28 Choreography for Performance - Spring
DANC 29 Dance Performance and Touring Company - Fall

The necessary higher level Dance technique classes (levels III and IV) need to be taken prior to the expiration of the 4 semester limit. (repeat code 22)

Program Student Learning Outcomes

1. Demonstrate proficiency in modern, jazz, and ballet dance forms, in both the performance and production aspects of dance;
2. Display the skills and techniques necessary for employment as instructors, choreographers, and/or performers;
3. Apply the craft and aesthetic qualities of dance orally, practically, and in writing; and
4. Apply the skills and knowledge of dance in advanced courses in order to transfer to four year institutions.

Dental Hygiene (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Dental Hygiene Associate Degree program at Santa Rosa Junior College is accredited by the Commission on Dental Accreditation of the American Dental Association. The Commission is a specialized accrediting body recognized by the United States Department of Education.

Students receive a comprehensive education in the health sciences and in clinical dental hygiene and are prepared for entry into the practice of dental hygiene. Upon successful completion of the program, the graduate will be able to apply knowledge and scientific concepts to assess needs, recognize problems, establish oral health goals and provide appropriate dental health care services and evaluate outcomes. The graduate will receive an Associate Degree from Santa Rosa Junior College, and will be eligible to take the National Board Dental Hygiene Examination and the California Dental Hygiene Board Examination.

The dental hygienist is a licensed professional oral health educator with specialized clinical and educational skills. The dental hygienist works as a co-therapist with the dentist in the prevention, recognition and treatment of dental and oral disease. The practicing dental hygienist may be expose to environmental hazards and infectious diseases including, but not limited to, Tuberculosis, Hepatitis B, Hepatitis C and HIV (AIDS). Dental hygienist are obligated to provide patient care with compassion and respect for human dignity and the rights of privacy and confidentiality of patients with infectious diseases.

Nationwide, employment of Dental Hygienists is expected to grow much faster than the average for all occupations through 2030.

Licensure Note: The Dental Hygiene Board Of California (DHBC) may deny licensure for crimes substantially related to the practice of dental hygiene. This includes convictions involving sex crimes, drug crimes (including DUI), and crimes of violence. It is the responsibility of the applicant to present sufficient evidence of rehabilitation to the DHBC prior to licensure application.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Program Selection Process

Please contact the Dental Hygiene coordinator in the Health Science department for information.

Code	Title	Hours/ Units
Dental Hygiene Prerequisites		
ANAT 1	General Human Anatomy	5
ENGL 1000	(ENGL C1000) Academic Reading and Writing	4
or EMLS 10	College Composition for Multilingual Students	
PHYZ 1	Human Physiology	5
Select any combination totaling at least 3.00 units from the following:		3
MATH 10	Nature of Mathematics	
or STAT 100	(STAT C1000) Introduction to Statistics	
or MATH 10	Mathematics for the Associate Degree	
or PSYC 9	Introduction to Behavioral Sciences Statistics	

Or any intermediate algebra or higher, or any transfer level math.

Complete a combination totaling at least 5.00 units from the following:		5
CHEM 60	General, Organic and Biological Chemistry	
CHEM 3A & 3AL & CHEM 8	General Chemistry Part 1: Lecture and General Chemistry Part 1: Lab and Introductory Organic Chemistry	
MICR 5	General Microbiology	4
or MICR 60	Fundamentals of Microbiology	
FDNT 10	Elementary Nutrition	3
or FDNT 62	Nutrition and Diet Therapy	
COMM 3	Introduction to Argumentation	3
or COMM 9	Critical Thinking and Argumentation	
or ENGL 1001	(ENGL C1001) Critical Thinking and Writing	
or PHIL 3	Critical Thinking	
or PHIL 5	Critical Thinking/Writing	
Commission on Dental Accreditation of the American Dental Assoc. Requirements		
Select any combination totaling at least 3.00 units from the following:		3
COMM 1000	(COMM C1000) Introduction to Public Speaking	
COMM 4	Survey of Communication	
COMM 5	Group Discussion and Problem Solving	
COMM 6	Interpersonal Communication	
COMM 7	Intercultural Communication	
Select any combination totaling at least 3.00 units from the following:		3
PSYC 1000	(PSYC C1000) Introduction to Psychology	
PSYC 4	Child and Adolescent Psychology	
Select any combination totaling at least 3.00 units from the following:		3
SOC 30	Race, Ethnicity, and Inequality	
SOC 1 & CHLD 68	Introduction to Sociology and Working With Children and Families in a Diverse Society	
SOC 1 & COUN 7	Introduction to Sociology and Identity and Cultural Diversity	
SOC 1 & HIST 21	Introduction to Sociology and Race, Ethnicity and Gender in American Culture	
SOC 1 & HUM 6	Introduction to Sociology and Humanities in the United States	
SOC 1 & PSYC 34	Introduction to Sociology and The Psychology of Prejudice and Discrimination	
SOC 1 & THAR 6	Introduction to Sociology and Multicultural Perspectives in American Theatre	
Dental Hygiene Core Requirements		
DE 51	Occupational Health and Safety	2
DE 55A	Introduction to Dental Radiology	2
DE 55B	Dental Radiology	1
DH 69	Medical Emergencies in Dental Practice	1
DH 70	Dental Anatomy and Tooth Morphology	2.5
DH 71A	Clinical Dental Hygiene Care and Theory 1	5
DH 71B	Clinical Dental Hygiene Care and Theory 2	5
DH 71C	Clinical Dental Hygiene Care and Theory 3	2
DH 71D	Clinical Dental Hygiene Care and Theory 4	7
DH 71E	Clinical Dental Hygiene Care and Theory 5	7
DH 72	Oral Health Education	2
DH 74	Head and Neck Anatomy, Histology and Embryology	3
DH 75	Pharmacology for the Dental Hygienist	2
DH 76	Dental Materials for the Dental Hygienist	2
DH 78	Local Anesthesia/Nitrous Oxide Conscious Sedation	1
DH 79	Periodontics for the Dental Hygienist	2
DH 80	Oral Pathology for the Dental Hygienist	2
DH 81	Community Dental Health	2
DH 83	Ethics, Jurisprudence & Practice Mgmt for Dental Hygienist	2
DH 85	Advanced Periodontal Dental Hygiene Care	2
DH 86	Integration of Dental Hygiene and Dentistry	2
Total Hours/Units		**97.5**

Program Requirements Notes

All Dental Hygiene major prerequisites must be completed prior to entering the Dental Hygiene program.

The Dental Hygiene Program at SRJC does not accept any AP Coursework for any of the program prerequisites however you can use AP Coursework for General Education at SRJC.

Notes

COMM 7 Intercultural Communication may be applied to 'Communication' as well as 'Cultural Diversity' requirement

All courses taken in conjunction with this program must be completed with a letter grade of 'C' or better.

Program Student Learning Outcomes

1. Formulate comprehensive and individualized care plans that are patient centered on current scientific evidence.
2. Use critical thinking and evidence based problem-solving to evaluate treatment modalities and promote patient health and wellness.
3. Discern and manage the ethical issues of dental hygiene practice in a rapidly changing health environment.

DM: 3D Modeling & Animation (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The 3D Modeling and Animation major provides fundamental skills for entry into a wide range of industries, including entertainment, architecture, electronic gaming, advertising, and educational media, as well as forensics and medical animation, and 3D simulations. This program also prepares students for advanced animation education through degree granting institutions and schools specializing in the film and broadcast fields.

Students will explore the principles of three-dimensional (3D) modeling, texturing, lighting and animating, as well as the application of particle systems and dynamics to produce a range of effects. Emphasis is placed on modeling, rigging and animating 3D characters, and upon creating sophisticated 3D scenes. Upon completion, students will have a comprehensive understanding of the basic practices of designing, building, and animating 3D environments, characters, and visual effects.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Program Requirements

Code	Title	Hours/ Units
Digital Media: 3D Modeling & Animation Core Requirements		
APTE 43	Computer Modeling and Animation	3
APTE 162	3D Animation: Visual Effects and Compositing	3
APTE 63	3D Animation: Modeling and Rigging	4
APTE 64	3D Animation: Character Animation	4
APTE 168	3D Animation: Introduction to Virtual Reality	2
CS 74.11	Introduction to Digital Media	3
Select any combination totaling at least 3.00 units from the following:		3
APTE 46	Introduction to Computer-Aided Drafting	
ART 5	Three Dimensional Design	
ART 69	Introduction to Cartooning and Sequential Art	
CS 41	Game Design	
CS 42	Introduction to Game Coding	
CS 70.1	Photoshop 1: Fundamental Skills	
CS 74.22	Digital Video Post-Production	
CS 78.1A	Make It with 3D Printing	
FMA 20	Introduction to Digital Filmmaking	
FMA 22	Screenwriting	
THAR 10A	Introduction to Acting	
THAR 10B	Scene Study and Characterization	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**23**

Program Student Learning Outcomes

1. Apply the basic practices of designing, building, and animating 3D environments, characters, and visual effects; and
2. Produce 3D animations consistent with industry requirements for entry level animators.

Early Childhood Education (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Science for Transfer in Early Childhood Education degree provides the foundational courses for transfer into upper division programs in Child Development, Human Development, Early Childhood Education, Early Childhood Studies, Child and Adolescent Development. It is based on the work of the Early Childhood Curriculum Alignment Project and therefore it has a curriculum and student learning outcomes similar to other aligned colleges. It fulfills the transfer model curriculum for many CSU campuses. The degree consists of evidence-based courses that are intended to become a foundational core for all early care and education professionals. Students will receive a comprehensive survey of the field of early childhood education including the growth and development of young children, the role of community and society in that development and the fundamentals of being an early childhood educator in a variety of settings.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Early Childhood Education for Transfer Requirements		
CHLD 10	Child Growth and Development	3
CHLD 51	Principles and Practices of Early Childhood Education	3
CHLD 66	Early Childhood Care and Education Practicum	4
CHLD 68	Working With Children and Families in a Diverse Society	3
CHLD 90.1	Child, Family, Community Interrelationships	3
CHLD 90.2	Observation and Assessment of Young Children	3
CHLD 90.3	Health, Safety and Nutrition for the Young Child	3
CHLD 90.4	Introduction to Curriculum	3
Total Hours/Units		**25**

Program Student Learning Outcomes

1. Integrate an understanding of the potential, the characteristics, and the multiple influences on the development of children into the delivery of high quality care and programs;
2. Design, implement and evaluate play based environments and activities that support developmental appropriate learning outcomes for all young children;
3. Apply effective guidance and interaction strategies that support all children's social learning, identity and self-esteem;
4. Develop strategies that promote relationships between programs, teachers, families, and their communities; and
5. Demonstrate ethical standards and professional behaviors that reflect understanding, knowledge, and a commitment to the field of early childhood education and care.

Economics (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in Economics will prepare and guide students seeking a bachelor's degree in Economics and will fulfill the lower division requirements for that degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Economics For Transfer Core Requirements		
ECON 2002	(ECON C2002) Principles of Macroeconomics	3
ECON 2001	(ECON C2001) Principles of Microeconomics	3
Select any combination totaling at least 3.00 units from the following:		3
STAT 1000	(STAT C1000) Introduction to Statistics	
PSYC 9	Introduction to Behavioral Sciences Statistics	
Select any combination totaling at least 4.00 units from the following:		4
MATH 1A & MATH 1B	Calculus, First Course and Calculus, Second Course	
MATH 16	Business Calculus	
Economics for Transfer List A Requirements		
Select any combination totaling at least 3.00 units from the following:		3
AGBU 7	Agricultural Economics	
BAD 1	Financial Accounting	

BAD 2	Managerial Accounting	
BAD 18	The Legal Environment of Business	
BMG 52	Business Communication	
COMM 3	Introduction to Argumentation	
COMM 9	Critical Thinking and Argumentation	
CS 84.21	Management Information Systems	
ENGL 1001	(ENGL C1001) Critical Thinking and Writing	
MATH 9	Finite Mathematics	
PHIL 5	Critical Thinking/Writing	
SOC 1	Introduction to Sociology	
Economics for Transfer List B Requirements		
Select any combination totaling at least 3.00 units from the following:		3
AGBU 7	Agricultural Economics	
BAD 1	Financial Accounting	
BAD 2	Managerial Accounting	
BAD 18	The Legal Environment of Business	
BMG 52	Business Communication	
COMM 3	Introduction to Argumentation	
COMM 9	Critical Thinking and Argumentation	
CS 84.21	Management Information Systems	
ECON 12	Introduction to Economics and the Environment	
ECON 30	International Economics	
ENGL 1001	(ENGL C1001) Critical Thinking and Writing	
MATH 5	Introduction to Linear Algebra	
MATH 9	Finite Mathematics	
PHIL 5	Critical Thinking/Writing	
SOC 1	Introduction to Sociology	
Total Hours/Units		**19**

Notes

Note: A course used to satisfy the List A requirement may not also be used to satisfy the List B requirement.

Program Student Learning Outcomes

1. Apply economic theories and economic reasoning to real life situations using the concepts of scarcity, marginal analysis, opportunity cost for individual and collective decision-making;
2. Use analytical techniques to measure economic conditions related to the individual, business firms, industries, and economic systems;
3. Explain the role that households, business organizations, governments, and the international sector, play in free markets, command economics, and mixed economies; and
4. Evaluate the objectives, limitations, and mechanics of regulation, taxation, tariffs, quotas, and monetary and fiscal policies.

Electrical Union Apprentice (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Electrical Union Apprenticeship Associate of Science Degree is a five-year apprenticeship that consists of 8,000 hours of on-the-job training (OJT) and 900 hours of classroom instruction.

This apprenticeship prepares a student to install and maintain all of the electrical conduits, wires, cables, motor controls, and panelboards found in commercial and industrial facilities.

Students accepted into the Electrical Union Apprenticeship program are paid while they work and learn. Application and acceptance into the Redwood Empire Joint Electrical Training Center is a requirement to start this program.

You can find more information about the application process, training, and career opportunities here: https://apprentice.rejatc.org/.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Electrical Union Apprenticeship Major Requirements		
APED 222.1	Apprentice Electricians, First Semester	4
APED 222.2	Apprentice Electricians, Second Semester	4
APED 222.3	Apprentice Electricians, Third Semester	4
APED 222.4	Apprentice Electricians, Fourth Semester	4
APED 222.5	Apprentice Electricians, Fifth Semester	4

APED 222.6	Apprentice Electricians, Sixth Semester	4
APED 222.7	Apprentice Electricians, Seventh Semester	4
APED 222.8	Apprentice Electricians, Eighth Semester	4
APED 222.9	Apprentice Electricians, Ninth Semester	4
APED 223.1	Apprentice Electricians, Tenth Semester	4
APED 223.2	California Advanced Lighting Controls Training Program	0.5
Total Hours/Units		**40.5**

Program Student Learning Outcomes

1. Describe and demonstrate electrical principles and regulations related to General Electricians' trade.
2. Demonstrate knowledge of theory and regulations of General Electricians' trade.
3. Apply best practices in practical environment related to General Electricians' trade.
4. Identify lighting controls and how they function.
5. Describe how lighting controls are installed.

Elementary Teacher Education: Integrated Programs (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts in Elementary Teacher Education for transfer degree is designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T are guaranteed admission with junior standing somewhere in the CSU system. This priority does not guarantee admission to specific majors or campuses. Current and prospective community college students are encouraged to meet with a counselor to develop an educational plan that best meets their goals and needs.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Elementary Teacher Education: Integrated Programs Requirements - 33.5 units

Code	Title	Hours/ Units
Elementary Teacher Ed Integrated Program for Transfer Core Requirements		
EDUC 55	Introduction to Teaching	3.5
COMM 1000	(COMM C1000) Introduction to Public Speaking	3
POLS 1000	(POLS C1000) American Government and Politics	3
HIST 1001	(HIST C1001) United States History to 1877	3
CHLD 10	Child Growth and Development	3
ENGL 1000	(ENGL C1000) Academic Reading and Writing	4
or EMLS 10	College Composition for Multilingual Students	
BIO 10	Introduction to Principles of Biology	4
or BIO 16	Introduction to Biology For Non-Majors	
ENGL 1002	(ENGL C1002) Introduction to Literature	3
or ENGL 12	Children's Literature	
Elementary Teacher Ed Integrated Program List A		**4**
PHSC 21	Introduction to Earth Science	
CHEM 42 & PHYS 11	Introductory General Chemistry and Conceptual Physics	
Elementary Teacher Ed Integrated Program List B		**3**
ARTH 1.1	Introduction to Art of the Ancient World	
or ARTH 1.2	Global Art from 1500 CE to Present	
or ARTH 110	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era	
or ARTH 120	(ARTH C1200) Survey of Art from the Renaissance to Contemporary	
or ART 2.3	History of Modern Art in Europe and North America	
or DANC 2	Survey of Dance History	
or MUSC 7	Music Appreciation	
or THAR 2	Introduction to Theatre Arts	
Elementary Teacher Ed Integrated Program List C		
CHLD 68	Working With Children and Families in a Diverse Society	
CHLD 90.1	Child, Family, Community Interrelationships	
COUN 7	Identity and Cultural Diversity	
COUN 20	Sex and Gender	
GEOG 3	World Regional Geography	
MATH 74	Mathematics for Elementary School Teachers - Number Systems	

PSYC 9	Introduction to Behavioral Sciences Statistics	
Total Hours/Units		**33.5**

Program Student Learning Outcomes

1. Demonstrate college-level skills in written English, oral communications, math, and critical thinking;
2. Demonstrate a basic grasp of the disciplines most commonly taught in elementary schools in California, including physical science, biology, art, literature in a cultural or geographic context, world geography, United States history, and United States government; and
3. Demonstrate a basic grasp of child growth and development.

Engineering (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Engineering major is designed for students seeking to fulfill lower division preparation for junior level transfer to bachelor degree engineering programs at four-year colleges and universities. Students develop the analysis, teamwork, design, and communication skills necessary to succeed in their upper division work and as an engineer in industry.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Engineering Requirements		
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
MATH 1C	Calculus, Third Course	4
MATH 2	Calculus, Fourth Course-Differential Equations	4
PHYS 40	Classical Mechanics for Scientists and Engineers	5
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3AL	General Chemistry Part 1: Lab	2
Select any combination totaling at least 6.00 units from the following:		6
ENGR 6	Programming in MATLAB for Engineers	
ENGR 10	Introduction to the Engineering Profession	
ENGR 16	Electric Circuits and Devices	
ENGR 25	Engineering Graphics and Design	
ENGR 34	Engineering Mechanics: Statics	
ENGR 45	Properties of Materials	
ENGR 101	Engineering Design Project	
ENGR 102	Robotics Design Project	
ENGR 103	Microcontroller Projects	
Select any combination totaling at least 4.00 units from the following:		4
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers	
PHYS 42	Electricity and Magnetism for Scientists and Engineers	
Total Hours/Units		**38**

Program Student Learning Outcomes

1. Apply lower division level knowledge of math, science, and engineering to the formulation and solution of engineering problems;
2. Show competence with modern engineering tools necessary for success in upper division engineering course work;
3. Demonstrate a solid foundation of communication, teamwork, analysis, and design skills necessary for success in upper division work; and
4. Develop a foundation for life-long learning in the evolving group of engineering disciplines that function within a framework of environmental, social, political, health and safety, economic and ethical concerns.

English (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The English Associate in Arts for Transfer degree is designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an ADT are guaranteed admission with junior standing somewhere in the CSU system. This priority does not guarantee admission to specific majors or campuses.

Current and prospective community college students are encouraged to meet with a counselor to develop an educational plan that best meets their goals and needs.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0. ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
English for Transfer Core Requirements		
ENGL 1002	(ENGL C1002) Introduction to Literature	3
ENGL 1001	(ENGL C1001) Critical Thinking and Writing	3
English for Transfer List A Requirements		
Select any combination totaling at least 6.00 units from the following:		6
ENGL 30.1	American Literature: Pre-Colonial Period to the Civil War	
ENGL 30.2	American Literature from 1865 to the Present	
ENGL 46.1	Survey of English Literature Part 1	
ENGL 46.2	Survey of English Literature Part 2	
English for Transfer List B Requirement		
Select any combination totaling at least 3.00 units from the following:		3
ENGL 2	Introduction to the Novel	
ENGL 3	Introduction to Poetry	
ENGL 4A	Beginning Creative Writing	
ENGL 7	Introduction to the Short Story	
ENGL 12	Children's Literature	
ENGL 27	Introduction to Shakespeare	
English for Transfer List C Requirements		
Select any combination totaling at least 3.00 units from the following:		3
ENGL 9	Global Voices: Contemporary Literature from Around the World	
ENGL 10	Introduction to Environmental Literature	
ENGL 11	Introduction to Dramatic Literature	
ENGL 14	Dystopian Literature	
ENGL 22	Ethnic Diversity in American Arts and Literature	
ENGL 25	Introduction to Linguistics	
ENGL 31	African American Literature	
ENGL 32	Asian American and Pacific Islander American Literature	
ENGL 33	Chicano/Chicana Arts and Literature	
ENGL 36	LGBTQ+ Arts and Literature	
Total Hours/Units		**18**

Program Student Learning Outcomes

1. Critically read, analyze, and interpret diverse literary works;
2. Write clear, effective and original expository and argumentative essays on the college level;
3. Communicate their understanding and analysis of literature in both formal and informal discussion;
4. Show familiarity with the historic and cultural contexts of literatures in the United States, Great Britain, and other English speaking countries;
5. Analyze literature arising from any tradition and any cultural group;
6. Demonstrate sensitivity to cultural differences as they are expressed in literary works published not only in English, but in translation;
7. Apply a range of both historic and contemporary critical approaches to literature; and
8. Support critical arguments with sufficient research and appropriate secondary sources.

Environmental Studies (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Environmental Studies major will provide students with an understanding of the manner in which various disciplines study the environment and approach our most pressing environmental issues. The degree in Environmental Studies will also help prepare students for transfer to a broad-based Environmental Studies program at a University of California or California State University campus.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that

all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Environmental Studies Core Requirements		
ENST 40	Environmental Forum	1
Select any combination totaling at least 12.00 units from the following:		12
BIO 12	Basic Concepts of Ecology	
ECON 12	Introduction to Economics and the Environment	
ENGL 10	Introduction to Environmental Literature	
ENVS 8	Introduction to Global Climate Change	
ENVS 12	Introduction to Environmental Science	
NRM 12	Introduction to Environmental Conservation	
PHIL 12	Environmental Philosophy	
POLS 12	Environmental Policy and Politics	
Select any combination totaling at least 1.00 unit from the following:		1
NRM 99I	Natural Resources Management Internship	
WEE 99I	Internship Work Experience Education	
Science Requirements		
Select any combination totaling at least 3.00 units from the following:		3
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	
BIO 10	Introduction to Principles of Biology	
BIO 12	Basic Concepts of Ecology	
BIO 16	Introduction to Biology For Non-Majors	
BIO 25	Marine Biology	
BIO 27	Biology of Marine Mammals	
BIO 31	Tropical Biodiversity and Conservation	
BTNY 40	Field Botany	
CHEM 3A	General Chemistry Part 1: Lecture	
CHEM 42	Introductory General Chemistry	
ENVS 8	Introduction to Global Climate Change	
ENVS 12	Introduction to Environmental Science	
GEOG 4	Physical Geography	
GEOL 20	Natural Disasters	
STAT 1000	(STAT C1000) Introduction to Statistics	
NRM 12	Introduction to Environmental Conservation	
NRM 51	Wildland Trees and Shrubs	
NRM 84	Introduction to Fish and Wildlife Conservation	
NRM 88	Watershed Ecology and Restoration	
NRM 104	Ecological Restoration	
SUAG 5	Introduction to Sustainable Agriculture	
Behavioral/Social Sciences/Humanities Elective Requirements		
Select any combination totaling at least 3.00 units from the following:		3
ANTH 2	Cultural Anthropology	
ARCH 12	Introduction to Environmental Design	
ECON 2002	(ECON C2002) Principles of Macroeconomics	
ECON 2001	(ECON C2001) Principles of Microeconomics	
ECON 12	Introduction to Economics and the Environment	
ENGL 10	Introduction to Environmental Literature	
GEOG 7	Introduction to Human Geography	
HIST 22	History of California	
NRM 80	Environmental Policy for Resource Managers	
PHIL 12	Environmental Philosophy	
POLS 12	Environmental Policy and Politics	
POLS 25	Introduction to International Relations	
SOC 2	Modern Social Problems	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**21**

Notes

Completing four of six core courses is required to fulfill the core requirement for the major.

Code	Title	Hours/ Units
BIO 12	Basic Concepts of Ecology	3
ECON 12	Introduction to Economics and the Environment	3
ENGL 10	Introduction to Environmental Literature	3
ENVS 8	Introduction to Global Climate Change	3
ENVS 12	Introduction to Environmental Science	3
NRM 12	Introduction to Environmental Conservation	3
PHIL 12	Environmental Philosophy	3
POLS 12	Environmental Policy and Politics	3

Students are encouraged to use remaining core courses to fulfill elective requirements for the major.

No course may be used more than once to fulfill a requirement in the major.

Some courses are only offered during the spring semester, or only periodically at SRJC (ECON 12 Introduction to Economics and the Environment and ENGL 10 Introduction to Environmental Literature).

SSU Requirement: SSU requires GEOG 4 as part of their Environmental Studies and Environmental Science programs.

The Work Experience/Internship/Community Engagement Requirement:

The work experience/internship/community engagement requirement is an integral part of the Environmental Studies major. This requirement is intended to give students the chance to apply knowledge and skills learned in the classroom to real-world situations. Additionally, it may provide networking opportunities and build awareness regarding potential career options. To develop an appropriate work experience/internship or community engagement experience, students will work with their instructors and the SRJC Work Experience and Internships department. Most students will complete this requirement in their second year of study.

Program Student Learning Outcomes

1. Summarize, analyze and critically evaluate environmental information from a variety of sources;
2. Apply critical thinking skills to identify environmental issues, recognize their causes, and to evaluate potential solutions;
3. Integrate the perspectives of the humanities, social sciences and natural sciences as they pertain to environmental issues;
4. Explain the societal (social, political, economic, cultural and/or ethical) variables that contribute to environmental degradation; and
5. Reflect critically about their roles and identities as citizens, consumers, and environmental actors, in a complex interconnected world.

Fashion Design (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Fashion Studies Program's Fashion Design major offers students interested in careers in the fashion industry a combination of theoretical and hands-on instruction. Students will learn about the history of modern fashion as well as all aspects of apparel production from creating the initial design to sourcing of textiles and materials, to patternmaking and sample sewing, through to the marketing and presentation of the finished garment.

This program will prepare students for a variety of occupations including: assistant designer, apparel business owner, production manager, sample room coordinator, pattern maker, sales assistant, fabric buyer, or visual merchandiser.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Fashion Design Requirements		
FASH 8	Introductory Textiles	3
FASH 52.2	Visual Merchandising	2
FASH 56	Fashion Design and Illustration	3
FASH 60	Draped Design	2
FASH 62A	Flat Pattern Design 1	2
FASH 70A	Clothing Construction 1	2
FASH 70B	Clothing Construction 2	2
FASH 112	Alterations and Sustainability	2
FASH 121	Knitwear Construction	2
FASH 139	Fashion Entrepreneurship	3
FASH 141	Contemporary Fashion Designers	3
FASH 152	Fashion Show Production	2
FASH 152L	Fashion Show Production Lab	0.5
Total Hours/Units		**28.5**

Notes

No course may be used more than once to fulfill a requirement in the major.
All courses must be completed with a grade of C or higher.

Program Student Learning Outcomes

1. Communicate design concepts through technical sketches and illustrations.
2. Translate garment designs from sketch to pattern to finished garment using apparel industry techniques.
3. Select appropriate fabrics for apparel based on fiber content, textile construction, and environmental impact.

4. Relate the history and social context of fashion to current industry trends.
5. Apply technical and professional skills expected in the fashion industry as both an employee and an entrepreneur.

Film Studies (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Film Studies major is designed for students pursuing lower division preparation for a baccalaureate degree in Film, including Cinema Studies, Film History, Film Production, Media Studies, and Screenwriting. It provides a basic foundation in film aesthetics, film history, and digital film production while meeting the typical lower division requirements for a bachelor's degree in Film at a four-year institution. The major is also designed to prepare students for careers in the film and television industries with opportunities to write and produce screenplays, collaboratively work on film production teams, and gain experience in programming and festival management through internships with the Petaluma campus cinematheque and Film Fest Petaluma, the city's annual short film festival.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Film Studies Requirements		
FMA 10	Film Appreciation	4
FMA 14	Early Film History	4
FMA 15	Modern Film History	4
FMA 20	Introduction to Digital Filmmaking	4
Select any combination totaling at least 3.00 units from the following:		3
FMA 6	Media, Culture, and Identity	
FMA 11	Communication through Game Design	
FMA 17	Contemporary World Cinema	
FMA 22	Screenwriting	
FMA 44	Media Criticism	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**20**

Program Student Learning Outcomes

1. Demonstrate a technical and theoretical understanding of cinema, including narrative forms, genres, and the complex interplay of image, sound, and motion.
2. Demonstrate a broad-based understanding of the historical and aesthetic development of world cinema from its origins to the present day, including the impact of historical movements and new technologies.
3. Demonstrate the ability to work as part of a production team to effectively plan, organize, and execute the production of a short digital film project.
4. Demonstrate fluency in the vocabulary of film production and criticism.
5. Demonstrate skills in the critical analysis of cinema by identifying how specific formal techniques are used to functionally support film narratives.
6. Demonstrate an understanding of the roles and responsibilities of various industry professionals in both the artistic and commercial side of motion picture production, distribution and exhibition.
7. Demonstrate an understanding of motion pictures as a technology, business, cultural product, global entertainment medium, and industrial art form.

Film, Television, & Electronic Media (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate of Science for Transfer (AS-T) in Film, Television, and Electronic Media is designed for students pursuing transfer majors in film & media studies and film & television production.

The AS-T in Film, Television, and Electronic Media is designed to give the student a basic framework with flexibility to tailor the degree to their interests. It is designed to prepare students for careers in the film and television industries by giving them a variety of hands-on opportunities.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Film, Television, and Electronic Media Requirements		
CS 74.22	Digital Video Post-Production	3
FMA 18	Audio for Film Production	3
Select any combination totaling at least 6.00 units from the following:		6
FMA 4	Introduction to Mass Communication	
FMA 10	Film Appreciation	
FMA 22	Screenwriting	
Select any combination totaling at least 4.00 units from the following:		4
FMA 20	Introduction to Digital Filmmaking	
FMA 19	Multi-Camera Studio Production	
Select any combination totaling at least 4.00 units from the following:		4
JOUR 5	Non-Fiction Digital StoryTelling	
FMA 14	Early Film History	
FMA 15	Modern Film History	
FMA 17	Contemporary World Cinema	
FMA 21	Intermediate Digital Filmmaking	
Total Hours/Units		**20**

Notes

Effective Fall 2022 students who completed both CS 74.21A and CS 74.21B in prior semesters may substitute those courses for CS 74.22 Digital Video Post-Production, as part of the requirement for an AS-T in Film, Television and Electronic Media. For more information and options regarding course selection, please visit: Digital Film Production.

Program Student Learning Outcomes

1. Analyze visual media from a technical, aesthetic, historical, and cultural point of view;
2. Demonstrate fluency in the language of film production and criticism;
3. Structure and develop a narrative into a properly formatted screenplay;
4. Plan, organize, and execute the production of digital media projects;
5. Collaborate effectively in production teams.

Fire Science - Company Officer (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Fire Science - Company Officer degree is designed for students who have already obtained State Fire Training Firefighter II and provides the student with the knowledge, skills and abilities necessary to be a successful first-line supervisor. The program includes California State recognized coursework that directly benefits students who may wish to advance within the fire service to a supervisory position.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Fire Science - Company Officer Requirements		
FIRE 50	Ethical Leadership in the Classroom	0.5
FIRE 69	S-290 Intermediate Wildland Fire Behavior	2
FIRE 80	Human Resource Management for Company Officers	2
FIRE 81	Fire Administration for Company Officers	1
FIRE 82	Fire Inspections and Investigations for Company Officers	2
FIRE 83	All Risk Command Operations for Company Officers	2
FIRE 84	Wildland Incident Operations for Company Officers	2
FIRE 85	Hazardous Materials Incident Commander	2
FIRE 86A	Fire Service Instructor I	2
FIRE 90	Firefighting Tactics and Strategy	3
FIRE 91	ICS-200 Basic Incident Command System	1
Total Hours/Units		**19.5**

Program Student Learning Outcomes

1. Demonstrate strong interpersonal and communication skills;
2. Apply necessary skills to be a successful Company Officer;
3. Understand and apply foundational knowledge as a Company Officer supervisor.

Fire Technology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Fire Technology Major provides practical and technical instruction to meet the requirements of various fire service agencies at the local, state, and federal levels. This is accomplished by training in fire prevention, public education, fire suppression, arson investigation, emergency medical services, heavy rescue, and hazardous materials management.

The Fire Technology program is accredited as a regional fire academy by the Office of the State Fire Marshal and the State Board of Fire Services.

Students who have completed the Firefighter I Completion and/or the Fire Technology Career Certificates have fulfilled a portion of the Fire Technology Major. For students interested in a certificate program, a Fire Technology certificate is also available.

The program also prepares students for transfer to a four-year institution in order to pursue a career as a fire marshall, fire investigator, and other positions on the county, state, or federal level.

Most job growth will occur as volunteer firefighting positions are converted to paid positions. In addition to job growth, openings are expected to result from the need to replace firefighters who retire, stop working for other reasons, or transfer to other occupations. The fire academy reviews and administers a physical agility test. A valid Class C and/or B drivers license may be required for employment.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Fire Technology Requirements		
FIRE 71	Fire Protection Organization	3
FIRE 72	Fire Behavior and Combustion	3
FIRE 73	Fire Prevention Technology	3
FIRE 74	Fire Protection Equipment and Systems	3
FIRE 76	Building Construction for Fire Protection	3
FIRE 78	Principles of Fire and Emergency Services Safety-Survival	3
Select any combination totaling at least 12.00 units from the following:		12
EMC 100	Emergency Medical Responder	
EMC 103	Emergency Medical Technician	

FIRE 50	Ethical Leadership in the Classroom
FIRE 61	Fire Investigation
FIRE 69	S-290 Intermediate Wildland Fire Behavior
FIRE 77	Hazardous Materials for Public Safety
FIRE 80	Human Resource Management for Company Officers
FIRE 81	Fire Administration for Company Officers
FIRE 82	Fire Inspections and Investigations for Company Officers
FIRE 83	All Risk Command Operations for Company Officers
FIRE 84	Wildland Incident Operations for Company Officers
FIRE 85	Hazardous Materials Incident Commander
FIRE 86A	Fire Service Instructor I
FIRE 86B	Fire Service Instructor II Instructional Development
FIRE 86C	Fire Service Instructor III Instructional Program Management
FIRE 107.1	Volunteer Firefighter Skills
FIRE 107.2	Advanced Volunteer Firefighter Skills
FIRE 206	Wildland Firefighter Academy
FIRE 208	Introduction to Firefighter Academy
FIRE 208.5	Firefighter II Capstone Training
FIRE 241	Driver Operator 1A
FIRE 258	Fire Apparatus 1B, Pumping Apparatus Operations
FIRE 284.1	Residential Truck Academy
FIRE 290	Firefighter Academy
Total Hours/Units	**30**

Notes

The following courses are suggested to help the student fulfill the minimum of 60 units in courses numbered 1-299 required for the associate degree:

Code	Title	Hours/ Units
AJ 355	Penal Code 832 Powers of Arrest	0.75
EMC 100	Emergency Medical Responder	2
EMC 103	Emergency Medical Technician	7.5
FIRE 77	Hazardous Materials for Public Safety	3
FIRE 206	Wildland Firefighter Academy	1.25
FIRE 208	Introduction to Firefighter Academy	1.5
FIRE 290	Firefighter Academy	17.5
FIRE 241	Driver Operator 1A	1.5
FIRE 258	Fire Apparatus 1B, Pumping Apparatus Operations	1

Please see the catalog for a complete listing of degree requirements. All courses taken in conjunction with this program must be completed with a letter grade of 'C' or better.

Program Student Learning Outcomes

1. Identify minimum qualifications and entry level skills for firefighter hiring. The student will be able to describe the following elements: application process, written exam process, physical agility exam, oral interview, chief's interview, background investigation and the firefighter;
2. Demonstrate the ability to analyze, appraise and evaluate fire and emergency incidents and identify components of emergency management and firefighter safety including: size-up, report on conditions, the Incident Command System, RECEO, the 10 Standard Firefighting Orders, the 18 Situations that shout "Watch Out", the 16 Firefighter Life Safety Initiatives and the common factors associated with injuries and line of duty deaths;
3. Identify and comprehend laws, regulations, codes and standards that influence fire department operations and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances and firefighter health and safety;
4. Analyze the causes of fire, determine extinguishing agents and methods; differentiate the stages of the fire and fire development, and compare methods of heat transfer;
5. Identify and describe the equipment and apparatus used in the fire service and the maintenance of said equipment and apparatus;
6. Identify and describe common types of building construction and conditions associated with structural collapse and firefighter safety; and
7. Differentiate between fire detection and alarm systems and identify common health and safety concerns of firefighters and first responders.

Fitness and Health Coach (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Fitness and Health Coach Major at Santa Rosa Junior College is designed to provide an in-depth study and practical application of principles of health, weight management, behavior modification, fitness testing, physical fitness training, exercise leadership and program design. This certificate/major is for students seeking entry-level careers and/or additional training in the fitness and health industry. Possible career opportunities may include personal trainer, group exercise instructor, health or wellness coach, weight management consultant, and fitness instructor. This program prepares students to sit for the nationally recognized certification exams by the American Council on Exercise (ACE) for personal trainer, group fitness instructor, and health coach.

This major is unique in its design because in addition to learning principles of exercise science, it also encompasses comprehensive topics in the area of health, nutrition, and behavior change vital for fitness trainers to address broader client goals and to meet the need of a growing trend toward wellness type coaching. This major also has a strong emphasis on practical "hands-on" experience and teaching techniques.

This program of study is also available as a certificate option.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Fitness and Health Coach Requirements		
FDNT 60	Nutrition and Physical Fitness	1
KIN 53	Principles of Health and Wellness	3
KIN 80	Introduction to Applied Kinesiology and Anatomy	3
KIN 81	Intro to Exercise Physiology, Assessment, and Program Design	3
KIN 83	Techniques of Fitness Instruction	3
KIN 84	Health and Wellness Coaching	3
Select any combination totaling at least 1.00 unit from the following:		1
KIN 50.1	Fitness Teaching Practicum	
WEE 99I	Internship Work Experience Education	
Select any combination totaling at least 3.00 units from the following:		3
FDNT 10	Elementary Nutrition	
KIN 8	Psychological Aspects of Sports Performance	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**21**

Notes

WEE 99I Internship Work Experience Education **must** be taken for one unit of Internship Work Experience Education 52.50 hours. One unit is the minimum requirement for this program.

Program Student Learning Outcomes

1. Design safe and effective training programs based on client needs, goals, fitness level and health history;
2. Demonstrate proper individual and group exercise leadership skills for general and special populations;
3. Review client food intake and educate clients on healthful eating habits for weight management and physical performance;
4. Integrate behavior modification techniques and concepts of health and wellness to formulate comprehensive training plans; and
5. Analyze emerging information in the field of nutrition, health, and fitness and differentiate between credible and non-credible sources and information.

Floral Design (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Floral Design major prepares students for work in the floral design industry. Flower care and handling, basic design, use of seasonal, dry, silk, or exotic plant materials, floral decoration, and special occasion arrangement are some of the skills and topics covered in the program.

Individuals typically find employment in many areas of the floral industry, such as retail flower shops, large retailers, wholesale suppliers, wineries, growers, and event and party planners.

With the great number of floral related businesses in Sonoma County, the job outlook is good. While the number of retail flower shops has remained constant, flowers are becoming available in many types of stores, such as supermarkets and mass merchandisers. In addition, the growth of the Sonoma County tourism industry is leading to more job opportunities. Flowers used for weddings, special events and conventions are increasing the demand for qualified floral designers.

Students interested in the Certificate of Achievement program can see the Floral Design certificate site.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Floral Design Requirements		
FLOR 83A	Beginning Floral Design	2
FLOR 83B	Intermediate Floral Design	2
FLOR 183C	Advanced Floral Design	2
FLOR 187	European & Advanced Contemporary Floral Design	1
FLOR 105	Flowers to Wear and Carry	1
FLOR 108	Display and Merchandising for Retail Florists	1
FLOR 112	Wedding Design	2
FLOR 113	Floral Tributes	2
FLOR 114	Retail Flower Business Management	3
FLOR 116	Identification and Handling of Flowers, Foliages and Plants	2
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**19**

Notes

Courses must be completed with a grade of C or better.

Program Student Learning Outcomes

1. Name and properly use the tools and mechanics in floral design;
2. Demonstrate proper standards of care and handling of fresh floral materials;
3. Create fresh floral arrangements and distinguish between the different types of design styles; and
4. Demonstrate an entry level knowledge of retail flower shop operation.

French (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The major in French will allow transfer students whose planned transfer major is French to learn an Associate Degree that prepares them for upper division coursework. In addition, the major in French will benefit students whose career paths involve international commerce or diplomacy.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
French Major Requirements		
FREN 3	Intermediate French-Part 1	4
FREN 4	Intermediate French-Part 2	4
Select any combination totaling at least 9.00 units from the following:		9
ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary	
ENGL 25	Introduction to Linguistics	
FREN 1	Elementary French-Part 1	
FREN 2	Elementary French-Part 2	
FREN 50B	Conversation for Beginners-Part 2	
FREN 50C	Intermediate Conversation	
HIST 4.2	History of Western Civilization from 1648 C.E.	
HUM 4.1	Western Humanities: Arts, Ideas, and Values	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**18**

Notes

FREN 1 Elementary French-Part 1 and FREN 2 Elementary French-Part 2 will only be accepted for the major if completed before FREN 3 Intermediate French-Part 1.

Program Student Learning Outcomes

1. Converse in French on a full range of topics, including but not limited to personal and family lives, school or work related topics, current events, historical, political and cultural perspectives with effective use of grammar and comprehensible pronunciation;
2. Demonstrate an understanding of authentic texts in French on a wide range of topics, including but not limited to newspaper and magazine articles, short stories, letters, poems and essays by identifying and explaining the key points and themes both orally and in writing;
3. Write cogent essays or term papers in grammatically correct French formulating and developing ideas on a full range of topics, including but not limited to, history, culture, literary analysis and current events; and
4. Demonstrate cultural awareness and appreciation of the French and francophone experience by examining, identifying and analyzing the values, attitudes and traditions that characterize such experience.

Hemp Agriculture (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Hemp Agriculture major provides a rigorous and comprehensive foundation for students seeking positions in the hemp industry that propagate, grow, and market a variety of products for consumers, commercial enterprises, or the wholesale market. The program delivers both lecture and hands-on laboratory experience in: Plant science, growth, and development; Soil and plant nutrition; Integrated pest management; Nursery and crop production; Irrigation methods, system design, and troubleshooting; and Principles of sustainable agriculture. While these topics apply to production of any crop, these courses will offer contextualized units, assignments, and/or lab activities that apply these topics to specific aspects of the hemp plant.

Hemp represents a multi-billion dollar industry and is poised to grow exponentially following federal legalization in 2018. Hemp (Cannabis sativa L.) is a genetically distinct biotype of cannabis sativa grown for fiber, seed or oil. In federal law, hemp by definition contains less than 0.3% THC, the compound in marijuana known for its psychoactive effects (the euphoric “high”). Hemp is used in the production of a wide range of products, including food and beverages, cosmetics and personal care products, nutritional supplements, fabrics and textiles, construction and insulation materials, and other manufactured goods. In addition, hemp is used to produce non-psychoactive cannabidiol (CBD), which has shown enormous promise for a variety of medical applications.

While this major is focused on hemp agriculture students may apply the knowledge and skills attained to a variety of agricultural production careers.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Hemp Agriculture Requirements		
AGRI 20	Introduction to Plant Science	4
AGRI 30	Introduction to Soil Science	3
AGRI 70	Integrated Pest Management	3
HORT 70	Plant Propagation	3
HORT 72	Techniques in Plant Propagation	2
HORT 144	Landscape Irrigation	3
SUAG 5	Introduction to Sustainable Agriculture	3
SUAG 64	Warm Season Crop Production	2
Select any combination totaling at least 1.00 unit from the following:		1
AGBU 7	Agricultural Economics	
AGME 50	Agricultural Machinery and Equipment Skills	
AGRI 98	Independent Study in Agriculture	
AGRI 99I	Agriculture Internship	
HORT 71	Nursery Production	
HORT 91	Landscape Construction/Estimation	
SUAG 65	Cool Season Vegetable Production	
SUAG 103	Composting for Organic Farming and Gardening	
SUAG 109	Organic Crop Planning and Production	
SUAG 160	Direct Farm Marketing	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**25**

Notes

Only one unit of AGRI 98 Independent Study in Agriculture or AGRI 99I Agriculture Internship is required, but students may elect to take additional units.

Program Student Learning Outcomes

1. Demonstrate primary methods of plant propagation in the hemp industry.
2. Identify and compare important developmental stages of the hemp plant.
3. Design a hemp production plan and schedule from soil preparation through harvest.
4. Identify and analyze sustainable agronomic hemp cultivation practices.

History (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in History degree will develop skills and knowledge consistent with the study of history in a global, multicultural and comparative context. The successful student will have mastered the reading, writing, and research skills essential to historical inquiry and exposition.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.

   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
History for Transfer Core Requirements		
HIST 1001	(HIST C1001) United States History to 1877	3
HIST 1002	(HIST C1002) United States History since 1865	3
History for Transfer List A Requirements		
Select any combination totaling at least 3.00 units from the following:		3
HIST 1.1	World History to 1500 C.E.	
HIST 4.1	History of Western Civilization to 1648 C.E.	
Select any combination totaling at least 3.00 units from the following:		3
HIST 1.2	World History Since 1500 C.E.	
HIST 4.2	History of Western Civilization from 1648 C.E.	
History for Transfer List B Area 1 Requirements		
Select any combination totaling at least 3.00 units from the following:		3
HIST 1.1	World History to 1500 C.E.	
HIST 1.2	World History Since 1500 C.E.	
ANTH 2	Cultural Anthropology	
ANTH 3	Introduction to Archaeology	
ANTH 21	American Folklore and Folklife	
ANTH 30	Anthropology of Globalization	
ANTH 31	Mesoamerican Origins of Latino Culture	
ANTH 32	Native Cultures of North America	
ANTH 34	Native Cultures of California	
ANTH 43	Native American Art and Culture	
ARTH 1.1	Introduction to Art of the Ancient World	
ARTH 1.2	Global Art from 1500 CE to Present	
ARTH 1.3	Introduction to Ancient Egyptian Art	
COUN 7	Identity and Cultural Diversity	
ENGL 31	African American Literature	
ENGL 33	Chicano/Chicana Arts and Literature	
FREN 1	Elementary French-Part 1	
FREN 2	Elementary French-Part 2	
FREN 3	Intermediate French-Part 1	
FREN 4	Intermediate French-Part 2	
GERM 1	Elementary German-Part 1	
GERM 2	Elementary German-Part 2	
GERM 3	Intermediate German-Part 1	
GERM 4	Intermediate German-Part 2	
HIST 5	History of the Modern Middle East	
HIST 6	The Holocaust	
HIST 8.1	History of Latin America from Pre-Columbian to 1830	
HIST 8.2	History of Latin America from 1830 to Present	
HIST 18.1	History of Women in the United States to 1877	
HIST 18.2	History of Women in the United States Since 1877	
HIST 21	Race, Ethnicity and Gender in American Culture	

HIST 22	History of California
HIST 26	History of Chicanx and Latinx from 1400 to the Present
HIST 30	African American History
HIST 33	History of Mexico
HUM 5	World Humanities: Arts, Ideas, Values
HUM 6	Humanities in the United States
HUM 14	Popular Culture in the United States
HUM 23	Culture and Values in Latin America and The Caribbean
ITAL 1	Elementary Italian-Part 1
ITAL 2	Elementary Italian-Part 2
ITAL 3	Intermediate Italian-Part 1
ITAL 4	Intermediate Italian-Part 2
MUSC 9	Jazz Appreciation
RELS 15	Islam
SOC 30	Race, Ethnicity, and Inequality
SPAN 1	Elementary Spanish-Part 1
SPAN 2	Elementary Spanish-Part 2
SPAN 3	Intermediate Spanish-Part One
SPAN 4	Intermediate Spanish-Part 2
THAR 6	Multicultural Perspectives in American Theatre
History for Transfer List B Area 2 Requirements	
Select any combination totaling at least 3.00 units from the following:	3
ARTH 1.3	Introduction to Ancient Egyptian Art
ARTH 1.4	Introduction to Mesoamerican and Andean Art
ARTH 1100	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era
ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary
ART 2.3	History of Modern Art in Europe and North America
ECON 2002	(ECON C2002) Principles of Macroeconomics
ECON 2001	(ECON C2001) Principles of Microeconomics
ECON 12	Introduction to Economics and the Environment
ENGL 30.1	American Literature: Pre-Colonial Period to the Civil War
ENGL 30.2	American Literature from 1865 to the Present
ENGL 46.1	Survey of English Literature Part 1
ENGL 46.2	Survey of English Literature Part 2
GEOG 3	World Regional Geography
GEOG 7	Introduction to Human Geography
HIST 20	History of the US Since 1945
HUM 4.1	Western Humanities: Arts, Ideas, and Values
HUM 8	Comparative Mythology
PHIL 9	Political Philosophy
PHIL 10	Philosophy of Peace and Nonviolent Action
PHIL 11	Introduction to Asian Philosophy
PHIL 20	History of Western Philosophy: Ancient and Medieval
PHIL 21	History of Western Philosophy: Modern
POLS 1000	(POLS C1000) American Government and Politics
POLS 2	Introduction to Comparative Government
POLS 12	Environmental Policy and Politics
POLS 18	Political Theory
POLS 25	Introduction to International Relations
RELS 1	Introduction to Religious Studies
RELS 2	World Religions
RELS 3	History of God
RELS 6.66	History of Satan
RELS 21	The Jewish Bible and the Birth of God
RELS 22	Jesus and the Invention of Christianity
RELS 32	Religion in America
SOC 1	Introduction to Sociology
SOC 2	Modern Social Problems
Total Hours/Units	**18**

Program Student Learning Outcomes

1. Write clearly, concisely and persuasively about historically significant people, events and problems;
2. Create, organize and support an historical argument in written and/or oral presentation;
3. Identify and evaluate multiple perspectives and approaches to historical understanding;
4. Understand and appreciate diversity and develop a worldview informed by multicultural and global perspectives; and
5. Demonstrate the ability to reconstruct the past through inquiry, research, critical thinking and problem solving.

Hospitality Management (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Science for Transfer in Hospitality Management is designed to provide a clear pathway to a CSU major and baccalaureate programs in Hospitality Management. The Hospitality Management major also offers a comprehensive educational approach to a career in the hospitality industry. The curriculum is designed to prepare students with both management theories and occupational job skills required to enter any segment of the industry. Students take classes specific to the industry including introduction to hospitality, introduction to the hotel industry, and hospitality law.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Hospitality Management Requirements		
HOSP 80	Introduction to Hospitality	3
ECON 2001	(ECON C2001) Principles of Microeconomics	3
HOSP 63	Introduction to the Hotel Industry	3
HOSP 68	Hospitality Law	3
Select any combination totaling at least 6.00 units from the following:		6
BAD 1	Financial Accounting	
BAD 2	Managerial Accounting	
ECON 2002	(ECON C2002) Principles of Macroeconomics	
FDNT 10	Elementary Nutrition	
STAT 1000	(STAT C1000) Introduction to Statistics	
or PSYC 9	Introduction to Behavioral Sciences Statistics	
Total Hours/Units		**18**

Program Student Learning Outcomes

1. Describe effective customer service and be able to meet and exceed guest expectations in any hospitality industry environment through the concept of anticipating a guest's needs.
2. Demonstrate the knowledge needed to be a supervisor in a hospitality business.
3. Identify specific job titles within the hospitality, food service, and tourism industries and describe the responsibilities of the positions as well as the outlook for future job growth.
4. Demonstrate the ability to use management skills resulting in an ethical and productive hospitality work environment.
5. Demonstrate the ability to use various technologies, systems and computer applications for the hospitality industry.
6. Describe an ongoing personal professional development plan to enhance leadership and management skills for the hospitality environment.
7. Analyze the interdependence of various tourism sectors on a local, national and global scale when faced with industry issues.

Humanities (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Humanities major is intended for the student who wants to explore the arts, ideas, values, and cultural expressions of the world's peoples as a foundation for lifelong learning or as an introduction to the related fields of Humanities and Interdisciplinary Studies, Art History, Music Appreciation, Theatre Arts, Philosophy, English Literature, Modern and Classical Languages, or Religious Studies. This major is broad and exploratory in nature and is not intended to fulfill the requirements for transfer in a specific field.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Humanities Major Requirements		
Select any combination totaling at least 18.00 units from the following:		18
ANTH 31	Mesoamerican Origins of Latino Culture	
ANTH 43	Native American Art and Culture	
ARCH 2.1	History of World Architecture: Prehistory to Gothic	

ARCH 2.2	History of World Architecture: Gothic to 20th Century
ARCH 2.3	History of World Architecture: 20th Century to Contemporary
ARTH 1.1	Introduction to Art of the Ancient World
ARTH 1.2	Global Art from 1500 CE to Present
ARTH 1.3	Introduction to Ancient Egyptian Art
ARTH 1.4	Introduction to Mesoamerican and Andean Art
ARTH 1100	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era
ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary
ART 2.3	History of Modern Art in Europe and North America
ARTH 2.5	Women and Art Since 1500
ART 3	Introduction to Art and Design
ART 4	Principles of Color
ART 5	Three Dimensional Design
ART 7A	Drawing and Composition 1
ART 69	Introduction to Cartooning and Sequential Art
ASL 1	Elementary American Sign Language - Part 1
ASL 2	Elementary American Sign Language - Part 2
ASL 3	Intermediate American Sign Language - Part 1
ASL 4	Intermediate American Sign Language - Part 2
CHIN 1	Elementary Chinese - Part 1
CHIN 2	Elementary Chinese - Part 2
COMM 2	Introduction to Performance as Communication
DANC 2	Survey of Dance History
DANC 7	The History of Jazz Dance
ENGL 1002	(ENGL C1002) Introduction to Literature
ENGL 2	Introduction to the Novel
ENGL 3	Introduction to Poetry
ENGL 7	Introduction to the Short Story
ENGL 9	Global Voices: Contemporary Literature from Around the World
ENGL 10	Introduction to Environmental Literature
ENGL 11	Introduction to Dramatic Literature
ENGL 12	Children's Literature
ENGL 14	Dystopian Literature
ENGL 22	Ethnic Diversity in American Arts and Literature
ENGL 25	Introduction to Linguistics
ENGL 27	Introduction to Shakespeare
ENGL 30.1	American Literature: Pre-Colonial Period to the Civil War
ENGL 30.2	American Literature from 1865 to the Present
ENGL 31	African American Literature
ENGL 32	Asian American and Pacific Islander American Literature
ENGL 33	Chicano/Chicana Arts and Literature
ENGL 36	LGBTQ+ Arts and Literature
ENGL 46.1	Survey of English Literature Part 1
ENGL 46.2	Survey of English Literature Part 2
FREN 1	Elementary French-Part 1
FREN 2	Elementary French-Part 2
FREN 3	Intermediate French-Part 1
FREN 4	Intermediate French-Part 2
GD 15	History of Graphic Design
GERM 1	Elementary German-Part 1
GERM 2	Elementary German-Part 2
GERM 3	Intermediate German-Part 1
GERM 4	Intermediate German-Part 2
HIST 1.1	World History to 1500 C.E.
HIST 1.2	World History Since 1500 C.E.
HIST 4.1	History of Western Civilization to 1648 C.E.
HIST 4.2	History of Western Civilization from 1648 C.E.
HIST 1001	(HIST C1001) United States History to 1877
HIST 18.1	History of Women in the United States to 1877
HIST 18.2	History of Women in the United States Since 1877
HUM 4.1	Western Humanities: Arts, Ideas, and Values
HUM 5	World Humanities: Arts, Ideas, Values
HUM 6	Humanities in the United States
HUM 7	Introduction to the Humanities
HUM 8	Comparative Mythology
HUM 14	Popular Culture in the United States
HUM 23	Culture and Values in Latin America and The Caribbean
HUM 24	California Culture
HUM 25	Monsters
HUM 26	Friendship
INDE 62	History of Interior Design
ITAL 1	Elementary Italian-Part 1
ITAL 2	Elementary Italian-Part 2
ITAL 3	Intermediate Italian-Part 1
ITAL 4	Intermediate Italian-Part 2
JAPN 1	Elementary Japanese - Part 1
JAPN 2	Elementary Japanese - Part 2
FMA 4	Introduction to Mass Communication
FMA 6	Media, Culture, and Identity
FMA 10	Film Appreciation
FMA 14	Early Film History
FMA 15	Modern Film History
FMA 17	Contemporary World Cinema
FMA 44	Media Criticism
MUSC 6.1	Music History and Literature: Antiquity to 1750
MUSC 6.2	Music History and Literature: 1750 to Present
MUSC 7	Music Appreciation
MUSC 8	World Music Appreciation
MUSC 9	Jazz Appreciation
MUSC 10	Survey of American Music
PHIL 6	Introduction to Philosophy
PHIL 7	Contemporary Moral Issues
PHIL 9	Political Philosophy
PHIL 10	Philosophy of Peace and Nonviolent Action
PHIL 11	Introduction to Asian Philosophy
PHIL 12	Environmental Philosophy

PHIL 20	History of Western Philosophy: Ancient and Medieval
PHIL 21	History of Western Philosophy: Modern
PSYC 9	Introduction to Behavioral Sciences Statistics
RELS 1	Introduction to Religious Studies
RELS 2	World Religions
RELS 3	History of God
RELS 6.66	History of Satan
RELS 7	Wisdom Religions of Asia
RELS 8	Buddhism
RELS 15	Islam
RELS 21	The Jewish Bible and the Birth of God
RELS 22	Jesus and the Invention of Christianity
RELS 32	Religion in America
SPAN 1	Elementary Spanish-Part 1
SPAN 2	Elementary Spanish-Part 2
SPAN 3	Intermediate Spanish-Part One
SPAN 4	Intermediate Spanish-Part 2
SPAN 40	Introductory Spanish for Spanish Speakers
SPAN 41	Intermediate Spanish for Spanish Speakers
THAR 1	World Theatre Through Time
THAR 2	Introduction to Theatre Arts
THAR 6	Multicultural Perspectives in American Theatre
Total Hours/Units	**18**

Program Student Learning Outcomes

1. Identify components and approaches of the Humanities as an academic discipline;
2. Communicate knowledge of topics and themes related to art, cultures and societies worldwide orally and in writing;
3. Apply humanistic methodology to analyze features of cultural and ethnic groups;
4. Analyze and interpret significant texts, artifacts and traditions within a broad cultural and historical framework; and
5. Identify and investigate a focus on one or more disciplines for further study.

HVAC Refrigeration Apprentice (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students accepted into the Plumbing & HVAC Apprentice program will be paid while receiving on-the-job training, starting out making a percentage of the Union journey-level wage and receiving pay increases at the end of each six-month training period. Completion of the program takes a minimum of five years. The years are broken down into ten (10) periods. During this time, students will receive on-the-job training. Students will also be required to attend related and supplemental instructional classes in the evenings, two nights per week (with summers off). Apprenticeship program graduates gain the skills and knowledge they need to count themselves among the very best plumbers, steam fitters, refrigeration and air conditioning mechanics in the world.

You can find more information about the application process, training, and career opportunities here: U.A. Local 38 web site http://www.ualocal38.org/.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Plumbing & HVAC Apprentice Major - complete 40.00 units

Code	Title	Hours/ Units
APED 360	Apprentice Plumbers, HVAC/Refrigeration, First Semester	4
APED 361	Apprentice Plumbers, HVAC/Refrigeration, Second Semester	4
APED 362	Apprentice Plumbers, HVAC/Refrigeration, Third Semester	4
APED 363	Apprentice Plumbers, HVAC/Refrigeration, Fourth Semester	4
APED 364	Apprentice Plumbers, HVAC/Refrigeration, Fifth Semester	4
APED 365	Apprentice Plumbers, HVAC/Refrigeration, Sixth Semester	4
APED 366	Apprentice Plumbers, HVAC/Refrigeration, Seventh Semester	4

APED 367	Apprentice Plumbers, HVAC/Refrigeration, Eighth Semester	4
APED 368	Apprentice Plumbers, HVAC/Refrigeration, Ninth Semester	4
APED 369	Apprentice Plumbers, HVAC/Refrigeration, Tenth Semester	4
Total Hours/Units		**40**

Program Student Learning Outcomes

1. Describe and demonstrate electrical/ plumbing principles and regulations related to heating, ventilation, air conditioning, and refrigeration trade.
2. Apply best practices in practical environment related to heating, ventilation, air conditioning, and refrigeration trade.?

HVACR Fundamentals (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Santa Rosa Junior College HVACR Fundamentals Associate of Science Degree prepares students for exciting and in-demand jobs in the residential Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) industry.

Students will learn how residential HVACR systems and their components operate; the fundamentals of airflow, refrigeration, ventilation, combustion, and thermodynamics; and the tools and equipment used for installation, maintenance, and repair work. Students also learn about jobsite safety, career opportunities, codes and regulations, and industry certification requirements for residential HVACR technicians.

This program is great for students new to the HVACR industry and for students who already have some industry experience. The major can be completed by full-time or part-time students, over 3-4 semesters.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
HVACR Fundamentals Core Requirements		
HVAC 101	Introduction to HVACR	3
HVAC 102	Residential HVACR System Components	3
HVAC 103	Residential Heating, Airflow and Ventilation	3
HVAC 104	Air-Conditioning and Refrigeration Systems	3
HVACR Fundamentals Electives		
Select any combination totaling at least 6.00 units from the following:		6
WEE 99I	Internship Work Experience Education	
Construction Emphasis		
CONS 101	Introduction to the Construction Industry	
CONS 102	Construction Practice and Technologies	
ELEC 51A	Fundamentals of Electricity	
MACH 162	Blueprint Reading for Machine and Related Industries	
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	
Business and Entrepreneurship Emphasis		
BMK 50	Marketing	
BMG 52	Business Communication	
BMG 66.4	Project Management	
BGN 81	Practical Business Math Skills	
ESHP 115	Financial Basics and Cash Flow	
Computer Emphasis		
CS 5	Computer Literacy	
CS 61.1A	Microsoft Excel, Part 1	
CS 61.1B	Microsoft Excel, Part 2	
Total Hours/Units		**18**

Notes

Students can take any 6 units from any of the requirement emphasis areas.

Program Student Learning Outcomes

1. Identify and explain the function of residential HVACR systems and components.
2. Identify and explain the proper use of diagnostic tools used by residential HVACR technicians.
3. Diagnose and troubleshoot operational faults in residential HVACR systems.

4. Explain the career pathways and business opportunities for residential HVACR technicians.

Interior Design (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Interior Design major prepares students for employment in full service interior design firms, retail establishments, architectural firms, space planning agencies, real estate, construction and development companies.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Interior Design Requirements		
APTE 46	Introduction to Computer-Aided Drafting	2
APTE 59	Architectural CAD	2
ARCH 60	Digital Presentation Graphics	2
ARCH 65	3D Modeling with Revit	2
INDE 20	Introduction to Interior Design	3
INDE 50	Drafting and Drawing for Interiors	3
INDE 52	Interior Environment and Space Planning	3
INDE 62	History of Interior Design	3
INDE 63	Interior Products, Materials, and Lighting	3
INDE 64	Professional Practices for Interior Design	3
INDE 71	Interior Design Studio	3
INDE 73	Portfolio Development	2
Select any combination totaling at least 3.00 units from the following:		3
INDE 67	Interior Illustration and Rendering	
INDE 122	Kitchen and Bath Design	
Select any combination totaling at least 3.00 units from the following:		3
ARCH 2.1	History of World Architecture: Prehistory to Gothic	
ARCH 2.2	History of World Architecture: Gothic to 20th Century	
ARCH 2.3	History of World Architecture: 20th Century to Contemporary	
ARCH 12	Introduction to Environmental Design	
ART 3	Introduction to Art and Design	
ART 4	Principles of Color	
ART 5	Three Dimensional Design	
ART 7A	Drawing and Composition 1	
ART 82	Beginning Digital Photography	
BMK 50	Marketing	
BMK 51	High Tech Selling and Pursuing a Sales Career	
BMK 54	Advertising, Branding, & Digital Marketing	
BMK 57	Introduction to Public Relations	
BMK 59	Consumer Behavior	
COMM 1000	(COMM C1000) Introduction to Public Speaking	
COMM 4	Survey of Communication	
CONS 103	Construction Materials, Methods and Equipment	
CONS 105	Construction Contract Documents	
CS 71.11	Adobe Illustrator 1	
CS 74.11	Introduction to Digital Media	
Total Hours/Units		**37**

Program Student Learning Outcomes

1. Apply problem solving to produce practical solution to clients' space needs by applying the materials, methods, and principles of interior design, including historical, sustainable, and design for special populations;
2. Use manual and digital graphic methods and oral presentation skills to communicate interior design solutions to sub-contractors, suppliers, and clients;
3. Identify the business practices, building codes, and professional ethics of the interior design trade.

Journalism (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in Journalism degree is designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an ADT are guaranteed admission with junior standing somewhere in the CSU system. This priority does not guarantee admission to specific majors or campuses. Current and prospective community college students are encouraged to meet with a counselor to develop an educational plan that best meets their goals and needs.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Journalism for Transfer Core Requirements		
JOUR 1	Introduction to Journalism	3
JOUR 1L	Introduction to Journalism Lab	0.5
JOUR 52A	News Media Practice 1	3
FMA 4	Introduction to Mass Communication	3
Journalism for Transfer List A Requirements		
Select any combination totaling at least 3.00 units from the following:		3
JOUR 2	News Gathering and News Writing	
JOUR 2L	News Gathering and News Writing Lab	
JOUR 5	Non-Fiction Digital StoryTelling	
JOUR 52C	News Media Practice 3	
JOUR 59	Photojournalism	
Journalism for Transfer List B Requirements		
Select any combination totaling at least 6.00 units from the following:		6
ART 19	Beginning Black and White Photography--Darkroom	
COMM 3	Introduction to Argumentation	
COMM 10	Introduction to Communication Theory	
ECON 2002	(ECON C2002) Principles of Macroeconomics	
ECON 2001	(ECON C2001) Principles of Microeconomics	
ENGL 1001	(ENGL C1001) Critical Thinking and Writing	
PHIL 3	Critical Thinking	
PHIL 4	Introduction to Symbolic Logic	
POLS 1000	(POLS C1000) American Government and Politics	
POLS 2	Introduction to Comparative Government	
Total Hours/Units		**18.5**

Notes

JOUR 1 Introduction to Journalism is a prerequisite/corequisite for JOUR 1L Introduction to Journalism Lab. It is recommended to take both courses concurrently. JOUR 2 News Gathering and News Writing is a prerequisite for JOUR 2L News Gathering and News Writing Lab. It is recommended to take both courses concurrently.

Program Student Learning Outcomes

1. Develop story ideas, conduct research and interviews, and write news and feature stories, opinion columns and critical reviews on deadline for both print and web publishing.
2. Use various media (i.e. audio, photography, video, blog platforms, social media, and web software) to create multimedia news and feature stories.
3. Explain the changing role of news media and information dissemination in American society and critically evaluate elements of effective journalism.
4. Exercise news judgment and apply knowledge of journalism ethics and media law to real-life newsroom situations.
5. Work as a productive member of a college newspaper staff. Demonstrate competency in grammar, punctuation, word usage and Associated Press Style to edit stories for print or online publication.

Journalism: Digital (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Journalism: Digital major provides students with an introduction to and skills in digital journalism and provides hands-on preparation for entry-level work in web journalism and/or an overlay of digital skills for recent journalism graduates and seasoned print journalists.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that

all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Journalism: Digital Core Requirements		
JOUR 1	Introduction to Journalism	3
JOUR 1L	Introduction to Journalism Lab	0.5
JOUR 2	News Gathering and News Writing	3
JOUR 2L	News Gathering and News Writing Lab	0.5
JOUR 52A	News Media Practice 1	3
JOUR 5	Non-Fiction Digital StoryTelling	4
JOUR 56	Editing for News Media	3
Journalism: Digital Elective Requirement		
Select any combination totaling at least 11.00 units from the following:		11
ART 82	Beginning Digital Photography	
CS 57.11	Social Media, the Internet, and Society	
CS 74.11	Introduction to Digital Media	
CS 74.22	Digital Video Post-Production	
CS 76.11	Drone Piloting and Imaging	
ENGL 4A	Beginning Creative Writing	
JOUR 52B	News Media Practice 2	
JOUR 52C	News Media Practice 3	
JOUR 59	Photojournalism	
FMA 18	Audio for Film Production	
FMA 19	Multi-Camera Studio Production	
FMA 20	Introduction to Digital Filmmaking	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**29**

Notes

Suggested Emphases

1. Digital - Video/documentary
   a. Take Intro to Digital Media, Digital Filmmaking 1, and Oak Leaf 2, Dig. Vid post production A&B
2. Digital - Broadcast
   a. Take Intro to Digital Media, Media 19 and Oak Leaf 2 and Dig. Vid post production A&B
3. Digital - Photojournalism
   a. Take Photojounrnalism, Drone piloting/imaging and Oak Leaf 2
4. Digital - Podcasting
   a. Take Digital Audio 1 and 2, Oak Leaf 2
5. General/Writing - Longform
   a. Take Creative Writing; Oak leaf 2, Photojournalism
6. General/Writing - News
   a. Take Photojournlaism, Oak Leaf 2, Social Media and/or intro to digital media

Program Student Learning Outcomes

1. Develop, create, report, research and produce technically well-executed news and feature stories for the web and/or broadcast news using combinations of text, images, audio, video and social media.
2. Use new website, audio and video software systems to produce multimedia stories.
3. Write news and feature stories on print and web deadlines using foundational journalism skills such as developing story ideas, conducting research, interviewing sources, and applying proper grammar and Associated Press Style.
4. Exercise news judgment and apply knowledge of online journalism ethical, legal and content issues to real-life situations.
5. Analyze and evaluate multimedia stories for content, aesthetics and technical quality.

Kines: Sports Medicine Prep (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Kinesiology: Sports Medicine Preparation Associate of Arts degree provides students with the opportunity to meet the requirements for transfer to various allied health and kinesiology majors. The major is intended for students who are pursuing academic programs and/or careers in fields of kinesiology or medicine such as athletic training, physical therapy, strength & conditioning, physical education, physician assistant, occupational therapy, adapted physical education, and chiropractic.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that

all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Kinesiology: Sports Medicine Preparation		
ANAT 1	General Human Anatomy	5
BIO 10	Introduction to Principles of Biology	4
KIN 4	Introduction to Sports Medicine	3
PHYZ 1	Human Physiology	5
KIN 62A	Sports Medicine Experience A	2
KIN 62B	Sports Medicine Experience B	2
KIN 63	Sports Medicine: Lower Body Injuries	3
KIN 64	Sports Medicine: Upper Body Injuries	3
Select any combination totaling at least 5.00 units from the following:		5
CHEM 3A & 3AL	General Chemistry Part 1: Lecture and General Chemistry Part 1: Lab	
CHEM 60	General, Organic and Biological Chemistry	
Total Hours/Units		**32**

Notes

If the Math graduation requirement has not been satisfied within the G.E. units, it is a separate and additional requirement.

Transfer students are strongly encouraged to complete Cal-GETC G.E.

Program Student Learning Outcomes

1. Demonstrate an understanding of the sports medicine profession, including history, educational preparation and role of the practitioner and various members of the sports medicine team;
2. Describe, integrate and apply concepts of prevention, immediate care, evaluation, treatment, rehabilitation and reconditioning of athletic injuries and injuries to the physically active; and
3. Demonstrate effective communication, professionalism, legal and ethical understanding, and general organization and administration within a sports medicine setting.

Kinesiology (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Kinesiology Associate of Arts degree (formerly Physical Education) provides students with the opportunity to meet the requirements for transferring to four-year colleges and universities in the areas of physical education, health and fitness, exercise science, and Kinesiology. The program outlined below includes typical lower division requirements for four-year colleges and universities; some requirements vary from college to college. Students are advised to meet with a counselor for appropriate campus specific course requirements before selecting courses.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Kinesiology Major Requirements

Code	Title	Hours/ Units
Kinesiology Prerequisites		
BIO 10	Introduction to Principles of Biology	4
Complete a combination totaling at least 5.00 units from the following:		5
CHEM 3A & 3AL	General Chemistry Part 1: Lecture and General Chemistry Part 1: Lab	
CHEM 60	General, Organic and Biological Chemistry	
Kinesiology Core		
ANAT 1	General Human Anatomy	5
KIN 1	Introduction to Kinesiology	3
PHYZ 1	Human Physiology	5
Kinesiology Theory		
Select any combination totaling at least 3.00 units from the following:		3
ATHL 10L	Water Polo Lab	
ATHL 11L	Baseball Laboratory	
ATHL 15L	Basketball Lab	
ATHL 17L	Cross Country Lab	
ATHL 22.1L	Defensive Football Laboratory	
ATHL 22.2L	Offensive Football Laboratory	
ATHL 29L	Soccer Lab	
ATHL 30	Theory and Analysis of Soccer	
ATHL 31L	Softball Lab	
ATHL 32	Varsity Wrestling	
ATHL 32L	Varsity Wrestling Lab	
ATHL 41L	Track & Field Lab	
ATHL 45L	Volleyball Lab	
FDNT 10	Elementary Nutrition	
KIN 5	Sport and Society	
KIN 7	Sport Films and Society	
KIN 8	Psychological Aspects of Sports Performance	
KIN 9	Ethics in Sports	
KIN 53	Principles of Health and Wellness	
KIN 11	Women in Sports	
KIN 80	Introduction to Applied Kinesiology and Anatomy	
KIN 81	Intro to Exercise Physiology, Assessment, and Program Design	
KIN 82	Exercise Assessment and Prescription	
Kinesiology Coaching/Fitness/Sports Medicine		
Select any combination totaling at least 3.00 units from the following:		3
FDNT 10	Elementary Nutrition	
KIN 2	Sports Officiating Fall	
KIN 3	Sports Officiating Spring	
KIN 4	Introduction to Sports Medicine	
KIN 10	Theory of Coaching Sports	
KIN 53	Principles of Health and Wellness	
KIN 62A	Sports Medicine Experience A	
KIN 62B	Sports Medicine Experience B	
KIN 62C	Sports Medicine Experience C	
KIN 62D	Sports Medicine Experience D	
KIN 83	Techniques of Fitness Instruction	
Kinesiology Activity Elective Requirement		
Select any combination totaling at least 3.00 units from the following:		3
ATHL 1	Intercollegiate Physical Fitness	
ATHL 2	Yoga for Intercollegiate Athletes	
ATHL 3	Off-Season Training for Intercollegiate Athletics	
ATHL 8	Varsity Wrestling	
ATHL 9	Women's Varsity Water Polo	
ATHL 10	Men's Varsity Water Polo	
ATHL 11	Men's Varsity Baseball	
ATHL 13	Men's Varsity Basketball	
ATHL 14	Women's Varsity Basketball	
ATHL 17	Men's Varsity Cross Country	
ATHL 18	Women's Varsity Cross Country	
ATHL 21	Varsity Football	
ATHL 27	Men's Varsity Soccer	
ATHL 28	Women's Varsity Soccer	
ATHL 31	Women's Varsity Softball	
ATHL 33	Men's Varsity Swimming and Diving	
ATHL 34	Women's Varsity Swimming and Diving	
ATHL 37	Men's Varsity Tennis	
ATHL 38	Women's Varsity Tennis	
ATHL 41	Men's Varsity Track and Field	
ATHL 42	Women's Varsity Track and Field	
ATHL 45	Women's Varsity Volleyball	
ATHL 46	Women's Varsity Beach Volleyball	
KINA 1	Introduction to Swimming	
KINA 1.1	Beginning Swimming	
KINA 1.2	Intermediate Swimming	
KINA 1.3	Advanced Swimming	
KINA 1.4	Training for the Competitive Swimmer	
KINA 2.1	Aquatic Fitness	
KINA 2.3	Advanced Aquatic Fitness	
KINA 3.1	Beginning Aquatic Calisthenics	
KINA 3.2	Intermediate Aquatic Calisthenics	
KINA 4.1	Deep Water Running	
KINA 10.1	Beginning Springboard Diving	
KINA 12.1	Beginning Water Polo	
KINA 12.3	Training for Competitive Water Polo	
KINC 1.1	Tai Chi - Chen Style	
KINC 1.2	Tai Chi - Yang Style	
KINC 1.3	Tai Chi - Wudang Style	
KINC 1.4	Tai Chi - Sword	
KINC 2.1	Beginning Judo	
KINC 2.2	Intermediate Judo	
KINC 2.3	Advanced Judo	
KINC 4	Introduction to Boxing	
KINC 4.1	Beginning Boxing	
KINC 4.2	Intermediate Boxing	
KINC 4.3	Advanced Boxing	

KINC 10	Personal Safety & Self Defense
KFIT 1.1	Beginning Aerobic Dance
KFIT 1.2	Intermediate Aerobic Dance
KFIT 2.1	Beginning Step Aerobics
KFIT 2.2	Intermediate Step Aerobics
KFIT 3.1	Beginning Body Conditioning
KFIT 3.2	Intermediate Body Conditioning
KFIT 3.3	Advanced Body Conditioning
KFIT 4.1	Body Mechanics
KFIT 5	Introduction to Pilates Mat
KFIT 5.1	Beginning Pilates Mat
KFIT 5.2	Intermediate Pilates Mat
KFIT 5.3	Advanced Pilates Mat
KFIT 6	Introduction to Yoga
KFIT 6.1	Beginning Yoga
KFIT 6.2	Intermediate Yoga
KFIT 6.3	Advanced Yoga
KFIT 7.1	Beginning Circuit Training
KFIT 7.2	Circuit Training Intermediate
KFIT 8	Introduction to Weight Lifting
KFIT 8.1	Beginning Weight Lifting
KFIT 8.2	Intermediate Weight Training
KFIT 10.1	Resistance Training
KFIT 11.1	Periodized Weight Training
KFIT 12.1	Power Lifting
KFIT 15.1	Personal Fitness Activities
KFIT 16.1	Plyometrics, Speed and Agility
KFIT 17.1	Interval Training
KFIT 20.1	ZUMBA
KFIT 21.1	Cardio Kickboxing
KFIT 25.1	Vinyasa Flow Yoga
KFIT 26.1	Gentle Yoga
KFIT 30.1	Stability Ball Training
KFIT 31.1	Pilates Yoga Fusion
KFIT 32	Introduction to Barre Fitness
KFIT 32.1	Beginning Barre Fitness
KFIT 32.2	Intermediate Barre Fitness
KFIT 32.3	Advanced Barre Fitness
KFIT 35.1	Walking for Fitness
KFIT 36.1	Jogging for Fitness
KFIT 37	Introduction to Boot Camp Training
KFIT 37.1	Boot Camp
KFIT 50	Teaching Aide
KFIT 9	Introduction to Hiking
KFIT 9.1	Beginning Hiking
KFIT 9.2	Intermediate Hiking
KFIT 9.3	Advanced Hiking
KINI 2.1	Beginning Badminton
KINI 2.2	Intermediate Badminton
KINI 2.3	Advanced Badminton
KINI 3.1	Beginning Golf
KINI 3.2	Intermediate Golf
KINI 3.3	Advanced Golf
KINI 4.1	Beginning Tennis
KINI 4.2	Intermediate Tennis
KINI 4.3	Advanced Tennis
KINI 79.1	Introduction to Pickleball
KINI 79.2	Intermediate Pickleball
KINI 79.3	Advanced Pickleball
KIN 49	Independent Study in Kinesiology, Athletics and/or Dance
KINT 1.1	Football Passing Game
KINT 2.1	Touch Football
KINT 4	Introduction to Basketball
KINT 4.1	Beginning Basketball
KINT 4.2	Intermediate Basketball
KINT 4.3	Advanced Basketball
KINT 6.1	Beginning Soccer
KINT 6.2	Intermediate Soccer
KINT 6.3	Advanced Soccer
KINT 7	Introductory Indoor Soccer
KINT 7.1	Indoor Soccer
KINT 7.2	Intermediate Indoor Soccer
KINT 7.3	Advanced Indoor Soccer
KINT 8.1	Beginning Volleyball
KINT 8.2	Intermediate Volleyball
KINT 8.3	Advanced Volleyball
KINT 9.1	Beginning Outdoor Volleyball
Information Learning Resources Requirement	
LIR 10	Introduction to Information Literacy 1
Total Hours/Units	**32**

Notes

No course may be used more than once to fulfill a requirement in the major.

Program Student Learning Outcomes

1. Demonstrate proficiency in the principles and execution of movement-based activity and skills appropriate to the specific activities completed;
2. Explain the opportunities, pathways, and skills necessary for careers in the discipline of Kinesiology and related fields;
3. Apply anatomy, physiology, and biomechanics terminology and principles when describing the effects of exercise and performing physical skills and movement;
4. Explain the physiological and psychological/mental health benefits of regular physical activity in maintaining a healthy lifestyle.

Kinesiology (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Kinesiology Associate in Arts for Transfer degree is designed to provide a clear pathway to a CSU major and baccalaureate degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Kinesiology for Transfer Core Requirements		
KIN 1	Introduction to Kinesiology	3
ANAT 1	General Human Anatomy	5
PHYZ 1	Human Physiology	5
Area Courses		
Select any combination totaling at least 3.00 units from the following:		3
Select one course maximum from three of the following areas (3 unit minimum)		
Area 1: Movement-Based Courses		
KINA 1	Introduction to Swimming	
KINA 1.1	Beginning Swimming	
KINA 1.2	Intermediate Swimming	
KINA 2.1	Aquatic Fitness	
KINA 2.3	Advanced Aquatic Fitness	
KINA 3.1	Beginning Aquatic Calisthenics	
KINA 3.2	Intermediate Aquatic Calisthenics	
KINA 4.1	Deep Water Running	
KINA 10.1	Beginning Springboard Diving	
KINA 10.2	Intermediate Springboard Diving	
KINA 12.1	Beginning Water Polo	
KINA 12.3	Training for Competitive Water Polo	
Area 2: Combatives		
KINC 1.1	Tai Chi - Chen Style	
KINC 1.2	Tai Chi - Yang Style	
KINC 1.3	Tai Chi - Wudang Style	
KINC 1.4	Tai Chi - Sword	
KINC 2.1	Beginning Judo	
KINC 2.2	Intermediate Judo	
KINC 2.3	Advanced Judo	
KINC 4	Introduction to Boxing	
KINC 4.1	Beginning Boxing	
KINC 4.2	Intermediate Boxing	
KINC 4.3	Advanced Boxing	
KINC 10	Personal Safety & Self Defense	
Area 3: Dance		
DANC 10.1	Introduction to Dance Movement	
DANC 10.2	Introduction to Dance Genres: Ballet, Modern, Jazz	
DANC 11.1	Ballet I	
DANC 11.2	Ballet II	
DANC 11.3	Ballet III	
DANC 11.4	Ballet IV	
DANC 13.1	Jazz Dance I	
DANC 13.2	Jazz Dance II	
DANC 13.4	Jazz Dance IV	
DANC 14.1	Contemporary Dance I	
DANC 14.2	Contemporary Dance II	
DANC 14.3	Contemporary Dance III	
DANC 14.4	Contemporary Dance IV	
DANC 16.1	Modern Dance I	
DANC 16.2	Modern Dance II	
DANC 16.3	Modern Dance III	
DANC 16.4	Modern Dance IV	
DANC 21.1	Hip Hop/Funk I	
DANC 21.2	Hip Hop/Funk II	
DANC 21.3	Hip Hop/Funk III	
DANC 21.4	Hip Hop/Funk IV	
DANC 35	Dance Improvisation Techniques	
DANC 37.1	Ballroom Dance I	
DANC 37.2	Ballroom Dance II	
DANC 88.1	Latin Dance I	
DANC 88.2	Latin Dance II	
DANC 88.3	Latin Dance III	
DANC 88.4	Latin Dance IV	
Area 4: Fitness		
KFIT 1.1	Beginning Aerobic Dance	
KFIT 1.2	Intermediate Aerobic Dance	
KFIT 2.1	Beginning Step Aerobics	
KFIT 2.2	Intermediate Step Aerobics	

KFIT 3.1	Beginning Body Conditioning
KFIT 3.2	Intermediate Body Conditioning
KFIT 3.3	Advanced Body Conditioning
KFIT 4.1	Body Mechanics
KFIT 5	Introduction to Pilates Mat
KFIT 5.1	Beginning Pilates Mat
KFIT 5.2	Intermediate Pilates Mat
KFIT 5.3	Advanced Pilates Mat
KFIT 6	Introduction to Yoga
KFIT 6.1	Beginning Yoga
KFIT 6.2	Intermediate Yoga
KFIT 7.1	Beginning Circuit Training
KFIT 7.2	Circuit Training Intermediate
KFIT 8	Introduction to Weight Lifting
KFIT 8.1	Beginning Weight Lifting
KFIT 8.2	Intermediate Weight Training
KFIT 10.1	Resistance Training
KFIT 11.1	Periodized Weight Training
KFIT 12.1	Power Lifting
KFIT 16.1	Plyometrics, Speed and Agility
KFIT 17.1	Interval Training
KFIT 20.1	ZUMBA
KFIT 21.1	Cardio Kickboxing
KFIT 25.1	Vinyasa Flow Yoga
KFIT 26.1	Gentle Yoga
KFIT 30.1	Stability Ball Training
KFIT 31.1	Pilates Yoga Fusion
KFIT 32	Introduction to Barre Fitness
KFIT 32.1	Beginning Barre Fitness
KFIT 32.2	Intermediate Barre Fitness
KFIT 32.3	Advanced Barre Fitness
KFIT 35.1	Walking for Fitness
KFIT 36.1	Jogging for Fitness
KFIT 37	Introduction to Boot Camp Training
KFIT 37.1	Boot Camp
KFIT 50	Teaching Aide
KFIT 9	Introduction to Hiking
KFIT 9.1	Beginning Hiking
KFIT 9.2	Intermediate Hiking
KFIT 9.3	Advanced Hiking
Area 5: Individual Sports	
KINI 2.1	Beginning Badminton
KINI 2.2	Intermediate Badminton
KINI 2.3	Advanced Badminton
KINI 3.1	Beginning Golf
KINI 3.2	Intermediate Golf
KINI 3.3	Advanced Golf
KINI 4.1	Beginning Tennis
KINI 4.2	Intermediate Tennis
KINI 4.3	Advanced Tennis
KINI 79.1	Introduction to Pickleball
KINI 79.2	Intermediate Pickleball
KINI 79.3	Advanced Pickleball
Area 6: Team Sports	
KINT 1.1	Football Passing Game
KINT 2.1	Touch Football
KINT 4	Introduction to Basketball
KINT 4.1	Beginning Basketball
KINT 4.2	Intermediate Basketball
KINT 4.3	Advanced Basketball
KINT 6.1	Beginning Soccer
KINT 6.2	Intermediate Soccer
KINT 7	Introductory Indoor Soccer
KINT 7.1	Indoor Soccer
KINT 7.2	Intermediate Indoor Soccer
KINT 7.3	Advanced Indoor Soccer
KINT 8.1	Beginning Volleyball
KINT 8.2	Intermediate Volleyball
KINT 8.3	Advanced Volleyball
KINT 9.1	Beginning Outdoor Volleyball
Kinesiology for Transfer List A Requirement	
Select any combination totaling at least 6.00 units from the following:	6
BIO 10	Introduction to Principles of Biology
KIN 53	Principles of Health and Wellness
CHEM 3A & 3AL	General Chemistry Part 1: Lecture and General Chemistry Part 1: Lab
STAT 1000	(STAT C1000) Introduction to Statistics
or PSYC 9	Introduction to Behavioral Sciences Statistics
PHYS 20A	General Physics Part I
or PHYS 40	Classical Mechanics for Scientists and Engineers
PSYC 1000	(PSYC C1000) Introduction to Psychology
or SOC 1	Introduction to Sociology
Total Hours/Units	**22**

Notes

Important Notes for Students

1. Under the Core Requirement Section Students are required to take 3 Movement-based Courses for a minimum of 3 units, choosing a maximum of 1 course from any 3 of the following areas: KINA, KINC, DANC, KFIT, KINI or KINT.

Program Student Learning Outcomes

1. Demonstrate proficiency in the principles and execution of movement-based activity and skills appropriate to the specific activities completed.
2. Explain the opportunities, pathways, and skills necessary for careers in the discipline of Kinesiology and related fields.
3. Apply anatomy, physiology, and biomechanics terminology and principles when describing the effects of exercise and performing physical skills and movement.
4. Explain the physiological and psychological/mental health benefits of regular physical activity in maintaining a healthy lifestyle.

Latin American Studies (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Latin American Studies major gives students a broad, interdisciplinary introduction to the study of Latin America, including languages, cultures, history, and social structure. The program prepares students for transfer in the fields of Latin American Studies, or provides a foundation for lifelong learning.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Latin American Studies Major Requirements		
HUM 23	Culture and Values in Latin America and The Caribbean	3
SPAN 1	Elementary Spanish-Part 1	4
SPAN 2	Elementary Spanish-Part 2	4
Select any combination totaling at least 3.00 units from the following:		3
ANTH 2	Cultural Anthropology	
ANTH 30	Anthropology of Globalization	
GEOG 7	Introduction to Human Geography	
Select any combination totaling at least 4.00 units from the following:		4
ANTH 2	Cultural Anthropology	
ANTH 30	Anthropology of Globalization	
ANTH 31	Mesoamerican Origins of Latino Culture	
ECON 2002	(ECON C2002) Principles of Macroeconomics	
ENGL 33	Chicano/Chicana Arts and Literature	
GEOG 7	Introduction to Human Geography	
HIST 8.1	History of Latin America from Pre-Columbian to 1830	
HIST 8.2	History of Latin America from 1830 to Present	
HIST 33	History of Mexico	
LIR 10	Introduction to Information Literacy	
POLS 2	Introduction to Comparative Government	
SOC 1	Introduction to Sociology	
SOC 30	Race, Ethnicity, and Inequality	
SPAN 3	Intermediate Spanish-Part One	
SPAN 4	Intermediate Spanish-Part 2	
SPAN 40	Introductory Spanish for Spanish Speakers	
SPAN 41	Intermediate Spanish for Spanish Speakers	
Total Hours/Units		**18**

Program Requirements Notes

Note: No course may be used more than once to fulfill a requirement in the major.

Program Student Learning Outcomes

1. Demonstrate beginning level Spanish language skills with the ability to read and communicate basic ideas and concepts in Spanish;
2. Analyze and critique the interaction between the dominant Spanish culture and the cultures it encountered in Latin America and the Caribbean;
3. Analyze works of visual art, film, drama, music, literature, philosophy, and religion from culturally diverse groups within Latin America and the Caribbean in their historical and cultural context; and
4. Utilize appropriate library and online resource to research topics relevant to Latin America and the Caribbean.

Mathematics (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Mathematics major is designed to help guide the student seeking a bachelor's degree in mathematics to fulfill the lower division requirements for that degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that

all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Mathematics Major Requirements		
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
MATH 1C	Calculus, Third Course	4
MATH 5	Introduction to Linear Algebra	4
Select any combination totaling at least 4.00 units from the following:		4
MATH 2	Calculus, Fourth Course-Differential Equations	
MATH 4	Discrete Mathematics	
MATH 6	An Introduction to Higher Mathematics	
Total Hours/Units		**22**

Program Student Learning Outcomes

1. Demonstrate the ability to use symbolic, graphical, and numerical representations of mathematical ideas and to communicate mathematical results in a clear, organized and contextually accurate manner;
2. Perform advanced operations with functions of one or more variables, including algebraic, transcendental, and vector-valued; understand the characteristics and graphs of functions; and apply this knowledge to modeling problems;
3. Apply mathematical techniques including solving equations and inequalities, solving systems of equations and inequalities, differentiation, and integration, to problems that arise in the real world;
4. Use and apply conic sections, polar graphs, parametric equations, vectors, complex numbers, sequences, and series; and
5. Engage in logical and critical thinking in mathematics.

Mathematics (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Science for Transfer in Mathematics is designed to guide the student seeking a bachelor's degree in Mathematics to fulfill the lower division requirements for that degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Mathematics for Transfer Core Requirements		
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
MATH 1C	Calculus, Third Course	4
Mathematics for Transfer List A Requirements		
Select any combination totaling at least 4.00 units from the following:		4

MATH 2	Calculus, Fourth Course-Differential Equations	
MATH 5	Introduction to Linear Algebra	
Mathematics for Transfer List B Requirements		
Select any combination totaling at least 4.00 units from the following:		4
CS 10A	Introduction to Programming Concepts and Methodologies	
MATH 4	Discrete Mathematics	
MATH 6	An Introduction to Higher Mathematics	
STAT 1000	(STAT C1000) Introduction to Statistics	
PHYS 40	Classical Mechanics for Scientists and Engineers	
Total Hours/Units		**22**

Program Student Learning Outcomes

1. Use calculus to solve problems
2. Use multivariate calculus to solve problems
3. Use mathematics to model physical and sociological phenomena

Mchtroncs:IndustrlMntnncTchncn (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Industrial Maintenance Technician major prepares individuals for employment as electro-mechanical maintenance technicians in high tech manufacturing. Instruction is provided in the fundamentals of electronics, programmable logic controllers, rotating machinery, and mathematics.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Mechatronics: Industrial Maintenance Technician Requirements		
ELEC 51A	Fundamentals of Electricity	3
ELEC 54A	Direct and Alternating Current Theory	3
ELEC 54B	Fundamentals of Electronic Devices	3
ELEC 64A	Electronic Construction 1	2
ELEC 153	Programmable Logic Controllers	3
ELEC 154	Rotating Machinery	3
Select any combination totaling at least 2.00 units from the following:		2
MACH 51.1A	Beginning Machine Tool Technology	
WEOC 99	Occupational Work Experience	
WEE 99I	Internship Work Experience Education	
WELD 101	Introduction to Shielded Metal Arc Welding (SMAW)	
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Identify and troubleshoot PLC program problems.
2. Operate and maintain AC and DC motors, generators and controllers.
3. Implement safety procedures in the workplace.
4. Understand safety codes and regulations applied to usage of industrial equipment and industrial working environment.
5. Test, align, and troubleshoot various complex electronic circuits.

Mechatronics Technician (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Mechatronics Technician major provides training in a multi-disciplinary field focusing on industrial automation. Topics include electricity, electronics, industrial motor controls, programmable logic controllers (PLCs), robotics, AC/DC drives, and manufacturing technologies.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Mechatronics Technician Requirements		
ELEC 54A	Direct and Alternating Current Theory	3
ELEC 54B	Fundamentals of Electronic Devices	3
ELEC 54C	Microcontrollers and Embedded Systems	3
ELEC 64A	Electronic Construction 1	2
ELEC 82	Mechatronics Fundamentals	3
ELEC 88	Computer Hardware	3
ELEC 153	Programmable Logic Controllers	3
ELEC 180	Lab VIEW for Technicians	3
ELEC 184	Industrial Robotics Fundamentals	3
Total Hours/Units		**26**

Program Student Learning Outcomes

1. Use computers to monitor and regulate processes and equipment, and to generate reports.
2. Analyze, construct, and test automated systems including electronic sensors, mechanical actuators, and computer control.
3. Demonstrate the ability to create Programmable Logic Controllers (PLCs) and microcontroller programs and properly interface them to input and output devices.
4. Understand safety codes and implement safety procedures applicable to usage of industrial equipment in an industrial working environment.

Medical Assisting (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Medical Assisting: Administrative and Clinical major prepares students for work in physicians' offices, medical clinics, hospital outpatient clinics, health agencies, and educational institutions. Students completing the program will be eligible to sit for the California Certifying Board for Medical Assistants (CCBMA) exam. This program provides training in both administrative (front office) and clinical (back office) skills.

The duties of a medical assistant vary from office to office, depending on the location and size of the practice and the physician's specialty. In small practices, medical assistants are usually generalists, handling both clerical (administrative) and clinical duties and reporting directly to an office manager or physician. Those in large practices tend to specialize in a particular area under the supervision of department administrators.

Medical assistants perform many clerical (administrative) duties. They answer telephones, greet patients, update and file patient medical records, complete insurance forms, handle correspondence, schedule appointments, arrange hospital admissions and laboratory services, and handle billing and bookkeeping.

Clinical duties vary according to state law. They may include taking and recording vital signs and medical histories, explaining treatment procedures to clients, preparing clients for examinations, and assisting during examinations. Medical assistants collect and prepare laboratory specimens and perform basic laboratory tests on the premises, dispose of contaminated supplies, and sterilize medical instruments. They instruct clients about medication and special diets, prepare and administer medications as directed by a physician, authorize drug refills as directed, telephone prescriptions to a pharmacy, prepare clients for x-rays, take EKG's, remove sutures and change dressings. Job titles include: medical assistant, administrative assistant, clinical medical assistant, hospital unit secretary, insurance claims process, medical transcriptionist, or research assistant.

They may also arrange examining room instruments and equipment, purchase and maintain supplies and equipment, and keep waiting and examining rooms neat and clean.

Medical Assistants with both administrative and clinical skills are increasingly utilized because of their dual skills. The employment outlook is very good for Medical Assistants.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)

- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Medical Assisting Core Requirements		
ANAT 140	Fundamentals of Anatomy and Physiology	2
HLC 140	Health Care Implications of Anatomy and Physiology	1.5
HLC 160	Medical Terminology	3
LIR 10	Introduction to Information Literacy	1
MA 160	Introduction to Medical Office Practice	3
MA 161	Law and Ethics for Medical Assistants	1
MA 162	Disease Processes	3
MA 168	Basic Medical Office Insurance Billing	2
Medical Assisting: Administrative and Clinical		
MA 163	Beginning Clinical Skills for Medical Assisting	3
MA 164	Theories of the Clinical Laboratory	2
MA 165	Pharmacology and Administration of Medications	3
MA 167	Basic Diagnostic Coding	2
MA 169	Procedural Coding	2.5
MA 174	Intermediate Clinical Skills for Medical Assisting	4
MA 176	Externship	4.5
PSYC 1000	(PSYC C1000) Introduction to Psychology	3
Total Hours/Units		**40.5**

Notes

All courses taken in conjunction with this program must be completed with a letter grade of 'C' or better.

Program Student Learning Outcomes

1. Demonstrate ability to greet patients, answer telephones, schedule appointments, maintain and filing client medical records, complete insurance forms, arrange hospital admissions and laboratory services, handle billing, bookkeeping, and physician correspondence;
2. Demonstrate ability to perform clinical tasks such as taking and recording vital signs and medical histories, explaining treatment procedures to clients, preparing clients for examinations, and assisting during examinations;
3. Collect and prepare laboratory specimens and perform basic laboratory tests on the premises, dispose of contaminated supplies, and sterilize medical instruments;
4. Present in an instructional manner information about medication and special diets;
5. Demonstrate ability to perform other clinical tasks such as preparing and administering medications as directed by a physician, authorizing drug refills as directed, telephoning prescriptions to a pharmacy, preparing clients for x-rays, taking EKG's, removing sutures and changing dressings; and
6. Arrange examining room instruments and equipment, purchase and maintain supplies and equipment, and keep waiting and examining rooms neat and clean.

Medium Heavy Truck Technology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Medium Heavy Truck Technology major offers both theoretical and hands-on training, including engine theory, diesel fuel systems, heating ventilation and air conditioning, pollution control systems, electrical systems, drive trains, brake systems, suspension systems, and hydraulic systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice Medium Heavy truck technicians.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Medium Heavy Truck Technology Requirements		
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 110	Internal Combustion Engine Theory and Repair	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
ATL 220	Diesel Fuel Systems	3
ATL 230	Medium Heavy Truck Drivetrain	3
ATL 240	Medium Heavy Truck Brakes and Suspension	3
ATL 290	Mobile Hydraulic Systems	3
MACH 51.1A	Beginning Machine Tool Technology	3
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Select any combination totaling at least 3.00 units from the following:		3
ATL 280	Medium Heavy Truck Preventive Maintenance Inspection	
WEOC 99	Occupational Work Experience	
Total Hours/Units		**37**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Identify engine block assembly components and configurations.
6. Demonstrate the proper steps to remove a cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer's specification and procedure.
7. Demonstrate the proper steps for performing a timing belt replacement and setting the timing belt, crankshaft, and camshafts in proper positions.
8. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
9. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
10. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
11. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
12. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
13. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
14. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.
15. Identify the basic principles of the modern diesel engine.
16. Define the basic troubleshooting of diesel electronic fuel control systems.
17. Inspect, diagnose, and repair heavy duty drivetrain components.
18. Interpret and understand repair manuals for repair of drivetrain components.
19. Evaluate and diagnose medium heavy-duty brake components/ system malfunctions.
20. Evaluate and diagnose medium heavy-duty steering systems.
21. Evaluate and diagnose medium heavy-duty suspension systems.
22. Perform maintenance inspections on agricultural, construction, public transportation, and trucking equipment.
23. Evaluate equipment condition and determine repair options.
24. Describe and interpret hydraulic schematics and repair manuals in relation to hydraulic systems.
25. Demonstrate ability to diagnose and repair hydraulic systems on agricultural and instruction equipment.
26. Demonstrate knowledge of the theory of machining as applied to machine tool techniques.
27. Demonstrate use of tools and equipment in a welding shop per American National Standards Institute (ANSI) safety standards Z49.
28. Perform arc weld from the flat, fillet weld position per American Welding Society (AWS) standards.
29. Perform oxy-acetylene weld on a butt joint, lap joint, fillet joint, and brazing fillet joint per AWS standards.
30. Demonstrate ability to safely use oxy-acetylene cutting torch per AWS standards.

Music (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts in Music prepares students for careers in music performance, composition/arranging, publishing, education, and other specializations while also meeting the lower-division transfer requirements for a Bachelor's degree in Music. Students will choose one of three tracks: Instrumental, Vocal, or Jazz Studies.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

music (AA) requirements - 35 units

Code	Title	Hours/ Units
Music AA Requirement - complete 15 units		
MUSC 2A	Music Theory 1	3
MUSC 2B	Music Theory 2	3
MUSC 3A	Musicianship 1	1
MUSC 3B	Musicianship 2	1
Music Survey (one course)		
Select any combination totaling at least 3.00 units from the following:		3
MUSC 6.1	Music History and Literature: Antiquity to 1750	
MUSC 6.2	Music History and Literature: 1750 to Present	
MUSC 7	Music Appreciation	
MUSC 8	World Music Appreciation	
MUSC 9	Jazz Appreciation	
MUSC 10	Survey of American Music	
(Students in the Jazz Studies concentration are advised to take MUSC 9)		
Piano Proficiency (two courses)		
Complete any combination totaling at least 4.00 units from the following:		4
MUSP 11A	Class Piano 1	
MUSP 11B	Class Piano 2	
MUSP 11C	Class Piano 3	
MUSP 11D	Class Piano 4	
Music AA Concentrations - complete 20.00 units		20
Instrumental Concentration (20.00 units)		
Instrumental Concentration: Theory and Musicianship (4 courses)		
MUSC 2C	Music Theory 3	
MUSC 2D	Music Theory 4	
MUSC 3C	Musicianship 3	
MUSC 3D	Musicianship 4	
Instrumental Concentration: Performance Ensemble (4 semesters)		
MUSP 21A	Concert Choir 1	
MUSP 21B	Concert Choir 2	
MUSP 21C	Concert Choir 3	
MUSP 21D	Concert Choir 4	
MUSP 30A	Symphonic Band 1	
MUSP 30B	Symphonic Band 2	
MUSP 30C	Symphonic Band 3	
MUSP 30D	Symphonic Band 4	
MUSP 33A	Orchestra 1	
MUSP 33B	Orchestra 2	
MUSP 33C	Orchestra 3	
MUSP 33D	Orchestra 4	
Instrumental Concentration: Applied Music (4 semesters)		
MUSP 40.1	Applied Music (Individual Instruction): Piano	
MUSP 40.3	Applied Music (Individual Instruction): Strings	
MUSP 40.4	Applied Music (Individual Instruction): Woodwind	
MUSP 40.5	Applied Music (Individual Instruction): Brass	
MUSP 40.6	Applied Music (Individual Instruction): Percussion	
MUSP 40.7	Applied Music (Individual Instruction): Guitar	
Instrumental Concentration: Instrumental Electives (4 unit minimum)		
MUSC 4A	Jazz, Rock, and Pop Theory 1	
MUSC 4B	Jazz, Rock, and Pop Theory 2	
MUSC 5A	Jazz Improvisation 1	
MUSC 5B	Jazz Improvisation 2	
MUSC 50	Introduction to Music Technology	
MUSP 17A	Elementary Voice	
MUSP 17B	Intermediate Voice	
MUSP 19A	Beginning Guitar	
MUSP 19B	Intermediate Guitar	
MUSP 19.1A	Classical Guitar 1	
MUSP 19.1B	Classical Guitar 2	
MUSP 32A	Jazz Band 1	
MUSP 32B	Jazz Band 2	
MUSP 32C	Jazz Band 3	
MUSP 32D	Jazz Band 4	
MUSP 42A	Jazz Combo Ensemble 1	
MUSP 42B	Jazz Combo Ensemble 2	
MUSP 42C	Jazz Combo Ensemble 3	
MUSP 42D	Jazz Combo Ensemble 4	
Vocal Concentration (20.00 units)		
Vocal Concentration: Theory and Musicianship (4 courses)		
MUSC 2C	Music Theory 3	

MUSC 2D	Music Theory 4
MUSC 3C	Musicianship 3
MUSC 3D	Musicianship 4
Vocal Concentration: Performance Ensemble (4 semesters)	
MUSP 21A	Concert Choir 1
MUSP 21B	Concert Choir 2
MUSP 21C	Concert Choir 3
MUSP 21D	Concert Choir 4
MUSP 23A	Chamber Singers 1
MUSP 23B	Chamber Singers 2
MUSP 23C	Chamber Singers 3
MUSP 23D	Chamber Singers 4
Vocal Concentration: Applied Music (4 semesters)	
MUSP 40.2	Applied Music (Individual Instruction): Voice
Vocal Concentration: Diction and Repertoire (take all 4 courses)	
MUSC 18.1	Diction and Repertoire: Italian
MUSC 18.2	Diction and Repertoire: English
MUSC 18.3	Diction and Repertoire: German
MUSC 18.4	Diction and Repertoire: French
Jazz Studies Concentration (20.00 units)	
Jazz Studies Concentration: Jazz Theory (take both courses)	
MUSC 4A	Jazz, Rock, and Pop Theory 1
MUSC 4B	Jazz, Rock, and Pop Theory 2
Jazz Studies Concentration: Performance Ensemble (4 semesters)	
MUSP 32A	Jazz Band 1
MUSP 32B	Jazz Band 2
MUSP 32C	Jazz Band 3
MUSP 32D	Jazz Band 4
MUSP 42A	Jazz Combo Ensemble 1
MUSP 42B	Jazz Combo Ensemble 2
MUSP 42C	Jazz Combo Ensemble 3
MUSP 42D	Jazz Combo Ensemble 4
Jazz Studies Concentration: Applied Music (4 semesters)	
MUSP 40.1	Applied Music (Individual Instruction): Piano
MUSP 40.3	Applied Music (Individual Instruction): Strings
MUSP 40.4	Applied Music (Individual Instruction): Woodwind
MUSP 40.5	Applied Music (Individual Instruction): Brass
MUSP 40.6	Applied Music (Individual Instruction): Percussion
MUSP 40.7	Applied Music (Individual Instruction): Guitar
Jazz Studies Concentration: Jazz Improvisation (2 semesters)	
MUSC 5A	Jazz Improvisation 1
MUSC 5B	Jazz Improvisation 2
MUSC 5C	Jazz Improvisation 3
MUSC 5D	Jazz Improvisation 4
Total Hours/Units	**35**

PROGRAM STUDENT LEARNING OUTCOMES

1. demonstrate an understanding of the fundamental melodic, harmonic, and rhythmic structure of music.
2. demonstrate fluency with the language of music in written and aural form.
3. perform on their instrument (or voice) at college sophomore level.
4. perform effectively in a musical ensemble.
5. utilize the piano keyboard to demonstrate and apply musical concepts.
6. demonstrate a broad-based understanding of the historical and aesthetic development of music.

Music (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts Degree for Transfer in Music prepares students for careers in music performance, composition/arranging, publishing, education, and other specializations while also meeting the lower-division transfer requirements for a Bachelor's degree in Music.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Code	Title	Hours/ Units
Music for Transfer Core Requirements - complete 20.00 units		
MUSC 2A	Music Theory 1	3
MUSC 2B	Music Theory 2	3
MUSC 2C	Music Theory 3	3
MUSC 3A	Musicianship 1	1

MUSC 3B	Musicianship 2	1
MUSC 3C	Musicianship 3	1
Complete any combination totaling at least 4.00 units from the following:		4
MUSP 40.1	Applied Music (Individual Instruction): Piano	
MUSP 40.2	Applied Music (Individual Instruction): Voice	
MUSP 40.3	Applied Music (Individual Instruction): Strings	
MUSP 40.4	Applied Music (Individual Instruction): Woodwind	
MUSP 40.5	Applied Music (Individual Instruction): Brass	
MUSP 40.6	Applied Music (Individual Instruction): Percussion	
MUSP 40.7	Applied Music (Individual Instruction): Guitar	
Complete any combination totaling at least 4.00 units from the following:		4
MUSP 21A	Concert Choir 1	
MUSP 21B	Concert Choir 2	
MUSP 21C	Concert Choir 3	
MUSP 21D	Concert Choir 4	
MUSP 23A	Chamber Singers 1	
MUSP 23B	Chamber Singers 2	
MUSP 23C	Chamber Singers 3	
MUSP 23D	Chamber Singers 4	
MUSP 30A	Symphonic Band 1	
MUSP 30B	Symphonic Band 2	
MUSP 30C	Symphonic Band 3	
MUSP 30D	Symphonic Band 4	
MUSP 32A	Jazz Band 1	
MUSP 32B	Jazz Band 2	
MUSP 32C	Jazz Band 3	
MUSP 32D	Jazz Band 4	
MUSP 33A	Orchestra 1	
MUSP 33B	Orchestra 2	
MUSP 33C	Orchestra 3	
MUSP 33D	Orchestra 4	
MUSP 42A	Jazz Combo Ensemble 1	
MUSP 42B	Jazz Combo Ensemble 2	
MUSP 42C	Jazz Combo Ensemble 3	
MUSP 42D	Jazz Combo Ensemble 4	
Music for Transfer List A - complete 3.00 units		
Select any combination totaling at least 3.00 units from the following:		3
MUSC 2D	Music Theory 4	
MUSC 3D	Musicianship 4	
MUSP 11A	Class Piano 1	
MUSP 11B	Class Piano 2	
MUSP 11C	Class Piano 3	
MUSC 7	Music Appreciation	
MUSC 6.1	Music History and Literature: Antiquity to 1750	
MUSC 6.2	Music History and Literature: 1750 to Present	
Total Hours/Units		**23**

Program Student Learning Outcomes

1. demonstrate an understanding of the fundamental melodic, harmonic, and rhythmic structure of music.
2. demonstrate fluency with the language of music in written and aural form.
3. perform on their instrument (or voice) at college sophomore level.
4. perform effectively in a musical ensemble.
5. utilize the piano keyboard to demonstrate and apply musical concepts.
6. demonstrate a broad-based understanding of the historical and aesthetic development of music.

Native American Studies (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Native American Studies Associate in Arts is designed to prepare students for transfer to a baccalaureate program in Native American Studies, American Indian Studies, or Ethnic Studies with an emphasis on Native American Cultural Studies. The degree offers an interdisciplinary approach that includes Native American visual arts, literature, religious traditions, and history, as well as the interaction of Native American cultures with non-native cultures within a larger historical context of California and the United States.

The Associate Degree in Native American Studies also prepares students to serve in a variety of capacities. Graduates can attain positions with: tribes, indigenous organizations, federal, state, and local governments, social service agencies, non-profit organizations, community organizations, museums, youth-serving organizations, schools, and research centers, among others.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Native American Studies Requirements		
ETHS 24	Introduction to Native American Studies	3
ETHS 25	The American Indian and the U.S. Political System	3
ETHS 26	The Original Californians	3
ETHS 27	American Indians Today	3
Select any combination totaling at least 6.00 units from the following:		6
ANTH 2	Cultural Anthropology	
ANTH 34	Native Cultures of California	
ANTH 43	Native American Art and Culture	
ETHS 20	Introduction to Ethnic Studies	
Total Hours/Units		**18**

Program Student Learning Outcomes

1. Identify examples of American Indian traditional knowledge and counter narratives, and apply these to current socio-geopolitical issues, including racialization, equity, ethnocentrism, eurocentrism, settler colonialism, self-determination, liberation, decolonization, and anti-racism.
2. Distinguish and compare Native American stereotypes and explain how these stereotypes were created, why they are sustained in modern society, and how they perpetuate the process of racialization, settler colonialism, and eurocentrism.
3. Analyze the intersection of Native identity and sovereignty with race, ethnicity, class, gender, and sexuality through analysis of federal, state, and tribal policies.
4. Understand the unique nation-to-nation relationship between the U.S. and tribal nation governments through analysis of treaties, Congressional acts, and case law.

Natural Resources (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Natural Resources major is a transfer-oriented program. Students conduct introductory coursework in Forestry, Watershed Management and Parks and Recreation that prepares them to successfully complete a Bachelor's degree in these or related fields at 4-year college or university. The major also provides career-oriented training necessary for technician-level positions in natural resource conservation and the outdoor recreation industry with government agencies and the private sector. The program consists of 20 units of core requirements and 6 units of elective courses that allow the student to specialize or focus on a particular area of Natural Resources.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Natural Resources Core Requirements		
Select any combination totaling at least 20.00 units from the following:		20
AGRI 20	Introduction to Plant Science	
AGRI 30	Introduction to Soil Science	
HORT 70	Plant Propagation	
HORT 72	Techniques in Plant Propagation	
HORT 184	Introduction to Arboriculture	
NRM 12	Introduction to Environmental Conservation	
NRM 51	Wildland Trees and Shrubs	
NRM 70	Forest Management and Assessment	
NRM 84	Introduction to Fish and Wildlife Conservation	
NRM 87	Geographic Info. Systems Applications in Natural Resources	
NRM 88	Watershed Ecology and Restoration	
NRM 91	Rangeland Management in a Changing Climate	
NRM 99I	Natural Resources Management Internship	
NRM 132	Chainsaw Safe Operation and Care	
NRM 173	Range Plants of Sonoma County	
Natural Resources Elective Requirements		

Select any combination totaling at least 6.00 units from the following:		6
AGME 50	Agricultural Machinery and Equipment Skills	
BAD 52	Human Relations in Organizations	
CS 72.1A	Adobe InDesign 1	
NRM 63	Environmental Education	
NRM 72	Forest Fire Control and Its Use	
NRM 80	Environmental Policy for Resource Managers	
NRM 86	Watershed Resource Management	
NRM 104	Ecological Restoration	
NRM 111	Orientation to Environmental Resource Management	
NRM 133	Current Topics in Natural Resources	
NRM 145A	Stewardship Practices for Wildfire Resilience: Level 1	
NRM 145B	Stewardship Practices for Wildfire Resilience: Level 2	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**27**

Notes

Students who elect to take more than three courses from the Parks and Recreation Management Emphasis Requirements course list can use the additional course(s) to partially satisfy the Parks and Recreation Management Elective Requirement.

Program Student Learning Outcomes

1. Identify and discuss historical approaches to Natural Resource Management in the U.S.;
2. Develop and use vocabulary for the protection, cultivation and management of wildlands;
3. Discuss economic benefits to protecting healthy watershed characteristics including: recreation opportunities, biological diversity, species richness and clean water;
4. Critically analyze and apply research and extension work in the field of watershed, park management, and forestry; and
5. Identify best management practices strategies for managing land and recreational areas.

Natural Sciences (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Natural Sciences major focuses on the physical universe, its life forms, and its natural phenomena. This degree program is intended for the student who wants to explore the natural sciences as a foundation for lifelong learning, or as an introduction to the various related disciplines in the natural sciences, including astronomy, biology, botany, chemistry, environmental science, geology, meteorology, physics, and physiology.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Natural Sciences Major Requirements - Complete 18.00 Units

Complete any combination totaling at least 18.00 units from the following:

Students must complete at least 18 units from the list below and course choices must include at least one course from three different Science Area Disciplines which include Chemistry, Earth & Space Sciences, Life Sciences, Math, and Physics.

Students may only count 1 course each from the following three groups toward the major requirements: ANAT 1 or ANAT 40 or ANAT 58; MICR 5 or MICR 60; PHYZ 1 or PHYZ 58.

Area Discipline 1: Chemistry

Code	Title	Hours/ Units
Area Discipline 1: Chemistry		
CHEM 3A	General Chemistry Part 1: Lecture	
CHEM 3AL	General Chemistry Part 1: Lab	
CHEM 3B	General Chemistry Part 2	
CHEM 8	Introductory Organic Chemistry	
CHEM 12A	Organic Chemistry	
CHEM 12B	Organic Chemistry	
CHEM 42	Introductory General Chemistry	

CHEM 60	General, Organic and Biological Chemistry
Area Discipline 2: Earth and Space Science	
ASTR 3	Stellar Astronomy
ASTR 3L	Stellar Astronomy Laboratory
ASTR 4	Astronomy of the Solar System
ASTR 4L	Solar System Astronomy Laboratory
ASTR 12	Astronomy Observational Lab
ASTR 42	Life in the Universe
ENVS 8	Introduction to Global Climate Change
ENVS 12	Introduction to Environmental Science
GEOG 4	Physical Geography
GEOG 4L	Physical Geography Lab
GEOG 10	Introduction to Weather and Climate
GEOG 10L	Weather and Climate Lab
GEOL 1	The Earth
GEOL 1L	Geology Lab
GEOL 11	Geology of California
GEOL 20	Natural Disasters
MTER 10	Introduction to Weather and Climate
MTER 10L	Weather and Climate Lab
NRM 12	Introduction to Environmental Conservation
PHSC 21	Introduction to Earth Science
Area Discipline 3: Life Science	
AGRI 20	Introduction to Plant Science
AGRI 30	Introduction to Soil Science
ANAT 1	General Human Anatomy
ANAT 40	Introduction to Human Anatomy and Physiology
ANAT 58	Introduction to Human Anatomy
ANSC 20	Basic Animal Science
ANTH 1	Biological Anthropology
ANTH 1L	Biological Anthropology Lab
ANTH 19	Forensic Anthropology
BIO 2.1	Fundamentals of Biology (Cell and Molecular)
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)
BIO 2.3	Fundamentals of Biology (Botany and Ecology)
BIO 10	Introduction to Principles of Biology
BIO 12	Basic Concepts of Ecology
BIO 13	Human Biology
BIO 14	Current Issues in Biology
BIO 16	Introduction to Biology For Non-Majors
BIO 20	Human Genetics
BIO 25	Marine Biology
BIO 27	Biology of Marine Mammals
BIO 31	Tropical Biodiversity and Conservation
BTNY 10	Plant Biology
BTNY 40	Field Botany
FDNT 10	Elementary Nutrition
MICR 5	General Microbiology
MICR 60	Fundamentals of Microbiology
PHYZ 1	Human Physiology
PHYZ 58	Introduction to Human Physiology
NRM 51	Wildland Trees and Shrubs
SUAG 5	Introduction to Sustainable Agriculture
Area Discipline 4: Mathematics	
MATH 1A	Calculus, First Course
MATH 1B	Calculus, Second Course
MATH 4	Discrete Mathematics
MATH 9	Finite Mathematics
MATH 10	Nature of Mathematics
STAT 1000	(STAT C1000) Introduction to Statistics
MATH 16	Business Calculus
MATH 25	Precalculus Algebra
MATH 27	Precalculus Algebra and Trigonometry
MATH 58	Precalculus Trigonometry
MATH 74	Mathematics for Elementary School Teachers - Number Systems
PSYC 9	Introduction to Behavioral Sciences Statistics
Area Discipline 5: Physics	
PHYS 1	Introduction to Physics Problem Solving
PHYS 11	Conceptual Physics
PHYS 20A	General Physics Part I
PHYS 20B	General Physics Part II
PHYS 40	Classical Mechanics for Scientists and Engineers
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers
PHYS 42	Electricity and Magnetism for Scientists and Engineers
PHYS 43	Modern Physics for Scientists and Engineers

Students must complete at least 18 units; course choices must include at least one course from three different science area disciplines: chemistry, earth & space sciences, life sciences, math, and physics.

Please note: Students may only count 1 course each from the following three groups toward the major requirements:

Code	Title	Hours/ Units
ANAT 1	General Human Anatomy	5
or ANAT 40	Introduction to Human Anatomy and Physiology	
or ANAT 58	Introduction to Human Anatomy	
MICR 5	General Microbiology	5
or MICR 60	Fundamentals of Microbiology	
PHYZ 1	Human Physiology	5
or PHYZ 58	Introduction to Human Physiology	

No course may be counted twice to fulfill the major requirements.

Program Student Learning Outcomes

1. Describe the facts and principles that form the basis of one discipline within the natural sciences;
2. Outline the scientific method and describe how this method is used to study the natural world; and
3. Apply critical thinking skills and knowledge of the scientific method to the observation and exploration of natural phenomena.

Nursing ADN (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Nursing Program has been approved by the California Board of Registered Nursing, and prepares the student for entry into the practice of professional registered nursing. Students receive clinical experiences in a variety of clinical facilities and community agencies throughout Sonoma County.

The successful completion of this major entitles the student to an Associate of Science Degree in Nursing, and eligibility to take the NCLEX-RN, the professional licensing examination to become a registered nurse.

It is strongly advised that all applicants attend a Counseling Pre-nursing Information Meeting and consult with a health sciences counselor prior to beginning the program prerequisites. The evaluation worksheet is an advising tool only. Program requirements are subject to change and students are strongly advised to consult with the nursing department regarding all requirements.

Registered nurses administer nursing care to ill and injured persons. The majority of jobs are in hospitals and clinics, but opportunities are also available in public health, education, and industrial settings. Nurses may also choose a specialty area, e.g. surgical, pediatrics, psychiatric, labor and delivery, emergency room, etc. As the population ages and the nursing workforce nears retirement, there is a significant demand for nurses regionally, and in California.

Licensure Note: The California Board of Registered Nursing may deny licensure to anyone who has been convicted of a felony or misdemeanor. The Board of Registered Nursing will also request a valid social security number or federal identification number as a requirement for licensure. For guidance on the Board of Registered Nursing licensing requirements please see http://www.rn.ca.gov/applicants/lic-exam.shtml.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Program Selection Process

The selection process is in compliance with Title 5 of the California Education Code. Screening is based on a probability of student succeeding in an ADN program. The score is determined by a formula using the following four criteria:

- **Overall College GPA within the last 5 years prior to application to the ADN program**
- English Composition GPA (English 1A or equivalent)
- Overall GPA in the following prerequisite sciences (anatomy, physiology, microbiology)
- Minus the number of repeats, withdraws, no credits, and incomplete grades in the core sciences (negative predictor of success).

The formula will determine a probability of success score for each student. All students who have this score or higher will be eligible for the program. If there are more students than seats in the program, a random computerized selection process (lottery) will be used to select the individuals entering the program from applicants who met the minimum cut score, along with an alternate list. The alternate list is not kept from year to year. Students not accepted must reapply each year.

Senate bill 1309 legislates that ADN programs are to implement assessment testing of students prior to the student being allowed to start ADN coursework. Beginning Spring 2008, all students who are accepted into the SRJC ADN program will be required to successfully pass an assessment test. Those students who pass the test may enroll in ADN coursework. Those students who do not pass are required to take remedial coursework and successfully complete assessment testing before being allowed to enter the ADN program.

Major Requirements

Code	Title	Hours/ Units
Nursing (ADN) Prerequisites Requirements		
ANAT 1	General Human Anatomy	5
PHYZ 1	Human Physiology	5
ENGL 1000	(ENGL C1000) Academic Reading and Writing	4
or EMLS 10	College Composition for Multilingual Students	
FDNT 10	Elementary Nutrition	3
or FDNT 62	Nutrition and Diet Therapy	
MICR 5	General Microbiology	4
or MICR 60	Fundamentals of Microbiology	
Nursing (ADN) Board of Registered Nursing Requirements		
Select any combination totaling at least 3.00 units from the following:		3
COMM 1000	(COMM C1000) Introduction to Public Speaking	

COMM 3	Introduction to Argumentation	
COMM 4	Survey of Communication	
COMM 5	Group Discussion and Problem Solving	
COMM 6	Interpersonal Communication	
COMM 7	Intercultural Communication	
Select any combination totaling at least 3.00 units from the following:		3
PSYC 1000	(PSYC C1000) Introduction to Psychology	
PSYC 4	Child and Adolescent Psychology	
PSYC 7	Theories of Personality	
PSYC 8	Introduction to Lifespan Psychology	
PSYC 46	Aging, Dying and Death	
Select any combination totaling at least 3.00 units from the following:		3
ANTH 2	Cultural Anthropology	
ANTH 21	American Folklore and Folklife	
SOC 1	Introduction to Sociology	
SOC 2	Modern Social Problems	
SOC 10	Close Relationships and Family Life	
SOC 30	Race, Ethnicity, and Inequality	
Nursing (ADN) Core Requirements		
NR 75.2A	Fundamentals of Professional Nursing	10
NR 75.1B	Introduction to Medical Surgical Nursing	5
NR 75.2B	Psychiatric Nursing	4.5
NR 75.1C	Intermediate Medical Surgical Nursing	4.5
NR 75.2C	Maternal Child Nursing	5
NR 75.1D	Advanced Medical Surgical Nursing	9
Total Hours/Units		**68**

Notes

CHEM 60 General, Organic and Biological Chemistry and BIO 10 Introduction to Principles of Biology are prerequisites to the Anatomy, Physiology, and Microbiology courses. Prerequisite science courses without an on campus laboratory component will not be accepted.

Because basic algebra is recommended for chemistry, students without basic algebra skills are advised to take Elementary Algebra. The department recommends that students meet the math competency requirement for the Associate Degree prior to entering the program.

Food & Nutrition and Psychology courses must be completed and verified on the student transcript prior to application for admission to the ADN program.

Beginning with the class of Fall 2009, only college transferable reading and composition courses (ENGL 1000 or equivalent) will be accepted to fulfill the English prerequisite requirement.

Prior to being accepted into the ADN program students must successfully complete a background check, clear urine drug screen, and other clinical placement health requirements. For specific guidance on qualification requirements and selection process please refer to the ADN web page available at: adn.santarosa.edu.

All courses taken in conjunction with this program must be completed with a grade of 'C' or better. (A C minus in prerequisite courses will not be accepted.)

Updated 8/8/22

Program Student Learning Outcomes

1. Practice nursing in ways that minimize risk of harm to patients and providers through their individual performances and contributions to system effectiveness.
2. Use data to monitor the outcomes of care processes and actively participate in continuous quality improvements activities.
3. Use information and technology to communicate, manage knowledge, mitigate error, and support decision-making that improves patient outcomes.
4. Integrate the best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal health care.
5. Function effectively within nursing and inter-professional teams, using open communication, respect for others, and shared decision-making to achieve quality patient care.
6. Provide and direct nursing care that promotes and supports the emotional, mental and social well-being of the patient experiencing stressful events, as well as clients with acute or chronic mental illness.
7. Promote physical health and wellness by providing care and comfort, reducing patient risk potential and managing health alterations.
8. Use the Nursing Process and critical thinking to provide safe and effective patient care in a variety of practice settings.
9. Recognize the patient and family or designee as the source of control and full partner in providing compassionate and coordinated care based on respect for the patient's preferences, values, and needs.
10. Provide and direct nursing care that incorporates the knowledge of expected growth and development principles; prevention and/or early detection of health problems, and strategies to achieve optimal health.
11. Facilitate patient and family learning by providing information and resources to support health and manage disease.

Nutrition & Dietetics (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Nutrition & Dietetics major provides education in nutrition science and the relationship of the human diet to health and lifestyle-related diseases. The purpose of the Nutrition & Dietetics major is to provide students with education and training in the area of nutritional sciences or dietetics and to prepare for transfer. This major provides the opportunity for students to begin their career path in the field of Nutrition and Dietetics.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Nutrition & Dietetics Major Core Requirements		
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3AL	General Chemistry Part 1: Lab	2
CHEM 3B	General Chemistry Part 2	5
CHEM 8	Introductory Organic Chemistry	5
FDNT 10	Elementary Nutrition	3
FDNT 70	Introduction to Nutrition, Dietetics and Food Service	1
STAT 1000	(STAT C1000) Introduction to Statistics	4
PHYZ 1	Human Physiology	5
PSYC 1000	(PSYC C1000) Introduction to Psychology	3
Select any combination totaling at least 5.00 units from the following:		5
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)	
MICR 5	General Microbiology	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**37**

Notes

Math, Chemistry, Physiology, Biology and Microbiology courses require placement exams or successful completion of pre-requisite courses prior to enrollment; check individual courses for specific requirements and timelines for placement exams. Completion of pre-reqs for the required science and math courses for this major are **critical** during the **first** semester of enrollment if a student wants to complete within 4 semesters.

Program Student Learning Outcomes

1. Identify the role of nutrients and healthy food preparations for optimal health and well-being;
2. Select appropriate foods for a healthy diet and disease risk reduction;
3. Clearly communicate nutrition concepts in oral and written formats;
4. Use critical thinking to analyze and interpret information from various media sources and draw scientifically-based conclusions; and
5. Transfer to a four-year program in Nutrition, Dietetics, and/or Food Science.

Nutrition and Dietetics (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Nutrition & Dietetics major provides education in nutrition science and the relationship of the human diet to health and lifestyle-related diseases. The purpose of the Nutrition & Dietetics major is to provide students with education and training in the areas of nutritional sciences and dietetics and to prepare for transfer. This major provides the opportunity for students to begin their career path in the field of Nutrition and Dietetics.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

NUTRITION AND DIETETICS (AS-T) - 26 UNITS

Code	Title	Hours/ Units
Nutrition and Dietetics for Transfer Core Requirements		
FDNT 10	Elementary Nutrition	3
PSYC 1000	(PSYC C1000) Introduction to Psychology	3
CHEM 3A & 3AL	General Chemistry Part 1: Lecture and General Chemistry Part 1: Lab	5
MICR 5	General Microbiology	4
or MICR 60	Fundamentals of Microbiology	
Nutrition and Dietetics for Transfer List A		8
CHEM 12A	Organic Chemistry	
ANAT 1	General Human Anatomy	
or PHYZ 1	Human Physiology	
STAT 1000	(STAT C1000) Introduction to Statistics	
or PSYC 9	Introduction to Behavioral Sciences Statistics	
Nutrition and Dietetics for Transfer List B		3
ANTH 3	Introduction to Archaeology	
ART 19	Beginning Black and White Photography--Darkroom	
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)	
CHEM 8	Introductory Organic Chemistry	
COMM 6	Interpersonal Communication	
COMM 7	Intercultural Communication	
COUN 20	Sex and Gender	
CS 57.11	Social Media, the Internet, and Society	
FDNT 62	Nutrition and Diet Therapy	
FDNT 70	Introduction to Nutrition, Dietetics and Food Service	
GEOG 7	Introduction to Human Geography	
JOUR 1	Introduction to Journalism	
JOUR 2	News Gathering and News Writing	
MATH 1A	Calculus, First Course	
MATH 1B	Calculus, Second Course	
MATH 25	Precalculus Algebra	
MATH 27	Precalculus Algebra and Trigonometry	
POLS 1000	(POLS C1000) American Government and Politics	
PSYC 4	Child and Adolescent Psychology	
SOC 1	Introduction to Sociology	
Total Hours/Units		**26**

Program Student Learning Outcomes

1. Identify the role of nutrients and healthy food preparations for optimal health and well-being;
2. Select appropriate foods for a healthy diet and disease risk reduction;
3. Clearly communicate nutrition concepts in oral and written formats;
4. Use critical thinking to analyze and interpret information from various media sources and draw scientifically-based conclusions; and
5. Transfer to a four-year program in Nutrition, Dietetics, and/or Food Science.

Paralegal Studies (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Santa Rosa Junior College Paralegal Studies Program is an academic Associate in Arts degree program for students seeking employment in the legal field and in business. The curriculum blends an understanding of legal theory and practical skills, based on actual paralegal job responsibilities. Classes are taught by practicing attorneys and paralegals primarily online in either synchronous or asynchronous formats.

The guiding principles of the program are two-fold: to offer a curriculum that teaches the practical applications of legal theory and to advance the paralegal profession by offering a rigorous course of study that develops resourceful legal problem solvers. By completing this program, students will have met the educational requirements for paralegals as stated in the California Business and Professions Code, commencing with section 6450.

Students earn the Associate in Arts degree with 27 units of required courses and 7 units of program electives, in addition to a minimum of 23 units of general education courses and 3 additional elective unit to total 60 units required of an associate degree. The program begins in January or August and can be completed within two years.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Paralegal Studies Core Requirement		
PLS 50	Introduction to Paralegal Studies	3
PLS 51	Legal Research	3
PLS 52	Legal Writing	3
PLS 53	Civil Procedure: Pleadings	3
PLS 54	Civil Procedure: Discovery	3
PLS 55	Legal Ethics	2
BGN 71	Business English Grammar	3
PLS 56	Civil Litigation and Discovery Practices and Procedures	3
PLS 57	Legal Professions	1
CS 60.1A	Microsoft Word, Part 1	1.5
CS 61.1A	Microsoft Excel, Part 1	1.5
Paralegal Studies Elective		
Select any combination totaling at least 7.00 units from the following:		7
BAD 18	The Legal Environment of Business	
BAD 62	Intellectual Property Law	
HR 61	Human Resource Employment Law	
PLS 60	Legal Calendaring	
PLS 62	Torts	
PLS 63	Contracts	
PLS 64	The American Jury System	
PLS 65	Law Office Technology	
PLS 66	Wills, Trusts and Estate Planning	
PLS 67	Family Law	
RE 55	Legal Aspects of Real Estate	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**34**

Notes

Students with a Bachelor's Degree or Higher

Students who already possess a Bachelor's Degree or higher from a regionally accredited institution of higher education may be awarded an Associate's Degree upon completion of the following: 1 . All requirements in a major in a different field of study. 2 . Twelve units in residence. 3 . A Bachelor's Degree or higher from a regionally accredited college in the United States will be accepted as fulfilling the General Education requirements for graduation.

Program Student Learning Outcomes

1. Locate statutes and case law by researching legal issues;
2. Compose legal documents and complete mandated legal court forms;
3. Apply learned critical thinking and analytical skills to client matters;
4. Compile and organize materials efficiently for trials;
5. Interview witnesses and conduct investigations on the behalf of clients; and
6. Complete specific, substantive tasks as delegated by the supervising attorney.

Paramedic (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Paramedic program provides technical and practical knowledge and skills to meet the requirements of the California Administrative Code to gain licensure as a paramedic by the California State Emergency Medical Services Authority. Students must be 18 years of age and be a California Certified EMT or NREMT certified EMT to enter the program.

The paramedic functions as an extension of the emergency department physician. The paramedic is responsible for the assessment, treatment and stabilization of the sick or injured patient utilizing advanced life support equipment and techniques at the scene of the incident and en-route to the medical facility. Specific responsibilities include: patient interviewing, physical examination, critical decision making, cardiac monitoring and interpretation, defibrillation, intravenous therapy, drug therapy, intervention in emotional crises and advanced airway management. Functional job analysis mandates a paramedic must be in good physical condition and able to lift, carry and balance objects in excess of 125 lbs. They must be able to receive and interpret oral and written communications in a timely manner.

Employment of Paramedics is expected to be above the average growth for all occupations primarily because of the rapidly expanding aging population. The role of the paramedic continues to evolve, with placement in mobile support mental health teams, post-discharge case management and other nonemergency situations.

Certification Note:
All public safety positions have legal requirements and background qualifications. Certain criminal violations may disqualify a candidate for licensure (refer to CA Health and Safety, Title 22, Chapter 4).

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Program Selection Process

Please see the Public Safety (https://pstc.santarosa.edu/) department website for more information about entering the program. A current EMT-1 certificate is required to enter this program.

Major Requirements

Code	Title	Hours/ Units
Paramedic Major Prerequisites		
ANAT 40	Introduction to Human Anatomy and Physiology	4
EMC 103	Emergency Medical Technician	7.5
EMC 109	Introduction to Paramedic	0.25
EMC 114	Basic Arrhythmia Recognition Course	2
Paramedic Major Core Requirements		
EMC 131A	Paramedic Clinical Practicum 1	2
EMC 131B	Paramedic Clinical Practicum 2	2
EMC 161	Paramedic Theory I	8
EMC 161L	Paramedic Laboratory I	4
EMC 162	Paramedic Theory II	8
EMC 162L	Paramedic Laboratory II	4
EMC 134	Paramedic Field Practicum	10
Total Hours/Units		**51.75**

Notes

Students participating in the program must have the following:

High school diploma/GED
Current EMT- 1 certificate
Current health care provider CPR certification
Current immunizations (MMR, Tetanus, Hepatitis B, negative TB Skin test)
Evidence of good health verified by a physical examination
Background clearance

EMC program staff registers students into EMC 161 Paramedic Theory I/EMC 161L Paramedic Laboratory I after enrollment is complete. Students are unable to enroll independently.

EMC 109 Introduction to Paramedic is taken in the Fall before the Paramedic Academy begins. Enrollment into EMC 109 Introduction to Paramedic is based on approval from EMC Program.

EMC 161 Paramedic Theory I/EMC 161L Paramedic Laboratory I begins in Spring semester.

Outside coursework for EMC 114 Basic Arrhythmia Recognition Course and ANAT 40 Introduction to Human Anatomy and Physiology may be accepted for application to the Paramedic Academy. Determination of acceptance is made on a case by case basis. Prospective students should review the student learning objectives for each course and compare them to the outside coursework prior to taking the class(es).

ANAT 58 Introduction to Human Anatomy may be considered as a substitute for ANAT 40 Introduction to Human Anatomy and Physiology

Program Student Learning Outcomes

1. Complete the National Registry computer adaptive exam; and
2. Demonstrate professional behavior consistent with criteria for employment as a licensed paramedic in the state of California.

Pharmacy Technician (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Pharmacy Technician major prepares students to be registered pharmacy technicians and for employment in a variety of pharmacy settings. Upon successful completion of the program, students will be awarded the Associate of Science and are qualified to apply to the California State Board of Pharmacy for registration as a pharmacy technician. Registration is a legal requirement for employment. Graduates are also encouraged to sit for the National Pharmacy Technician Certification Exam. While not currently a state requirement for employment, many employers provide increased compensation to pharmacy technicians once they become nationally certified.

Pharmacy technicians work under the supervision of licensed pharmacists to perform technical duties in the systematic operation of the pharmacy--providing health care services and medications to patients. Technicians may perform many of the same duties as pharmacists; however, all of a technician's work must be checked by a pharmacist before medicine can be dispensed to a patient.

Duties may include, but are not limited to: 1) compounding (measuring, weighing, and mixing) medicinal drugs; 2) preparing and labeling medicines; 3) filling bottles and capsules with the correct quantity of medicine; 4) issuing medicines to customers; 5) stocking and taking inventory of prescription and over the counter medications; 6) maintaining patients' medication profiles on computerized or written records or forms; 7) filling orders for unit doses and prepackaged pharmaceuticals; and 8) preparing insurance claim forms. Depending on the position, the technician may also manage third party billing, answer telephones, direct customers to items or to the pharmacist for medication consultation, receive written prescriptions, clean and sterilize dispensing bottles and instruments, answer questions regarding non-drug products, and operate a cash register. Since pharmacy technicians interact daily with co-workers, patients and health care professionals, good communication and interpersonal skills are essential.

A licensed pharmacy technician can find employment in retail pharmacies, hospital pharmacies, home health care pharmacies, nursing home pharmacies, clinic pharmacies, mail order prescription pharmacies, and with pharmaceutical companies. Employment opportunities for graduates of community college Pharmacy Technician programs are excellent. Changes in the California State Pharmacy Law requiring registration have created an increasing demand for trained pharmacy technicians.

Successful completion of the Pharmacy Technician Program qualifies the student to apply to the California State Board of Pharmacy for licensure as a pharmacy technician, which is a legal requirement for employment. Graduates are encouraged to sit for the National Pharmacy Technician Certification Exam. Currently not a requirement, many employers provide increased compensation to pharmacy technicians once they become nationally certified.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0. ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Pharmacy Technician Requirements		
PHT 102	Pharmaceutical Calculations for the Pharmacy Technician	2
PHT 103	Critical Thinking and Management Skills for the Pharm Tech	2
PHT 150	Introduction to Pharmacy Technician	3
PHT 152	Ambulatory Pharmacy Practice	2
PHT 154A	Retail Externship 1	1
PHT 154B	Retail Externship 2	2
PHT 155	Pharmacology	4
PHT 156	Dispensing and Compounding	2.5
PHT 157	Hospital Pharmacy Practice for the Pharmacy Technician	0.5
PHT 157L	Hospital Pharmacy Externship	0.5
Total Hours/Units		**19.5**

Notes

Licensure Note: The California State Board of Pharmacy may deny licensure for felony or misdemeanor offences. It is the responsibility of the student to present sufficient evidence of rehabilitation prior to licensure and/or secure a pre-application process with the Board, independent to the program admission application.

Other Notes:

- All courses must be completed with a "C" or better.
- PHT 150 (delivered online) is only offered in the Summer semester and it is suggested that students take CSKL 334- How to Take an Online Class, before enrolling for PHT 150.

Program Student Learning Outcomes

1. Pharmacologically classify a drug after having been presented with its generic name, brand (trade) name, chemical name and indication;
2. interpret current federal and state legislation and name the agencies regulating the practice of pharmacy;
3. create patient profiles utilizing information obtained from the prescription and the patient;
4. read and write proper medical notation on the drug order and interpret information on drug labels and stock bottles;
5. calculate the oral dosages of drugs, both solid and liquid forms based on currently accepted pharmaceutical mathematics;
6. describe the pharmacological action, therapeutic effects, common side effects, doses and drug interactions of common medications prescribed to treat dysfunction of selected body systems; and
7. describe common pharmaceutical measuring, weighing and compounding devices and accurately use the metric, apothecary, avoirdupois and household systems to count and measure.

Philosophy (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Philosophy major provides lower division preparation for those who plan to major in Philosophy at a university. An Associate Degree in Philosophy can also provide a foundation for lifelong learning.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that

all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Philosophy Major Requirements		
PHIL 6	Introduction to Philosophy	3
PHIL 20	History of Western Philosophy: Ancient and Medieval	3
PHIL 21	History of Western Philosophy: Modern	3
Select any combination totaling at least 6.00 units from the following:		6
PHIL 7	Contemporary Moral Issues	
PHIL 9	Political Philosophy	
PHIL 10	Philosophy of Peace and Nonviolent Action	
PHIL 11	Introduction to Asian Philosophy	
PHIL 12	Environmental Philosophy	
POLS 18	Political Theory	
RELS 2	World Religions	
RELS 3	History of God	
RELS 21	The Jewish Bible and the Birth of God	
RELS 22	Jesus and the Invention of Christianity	
RELS 32	Religion in America	
Select any combination totaling at least 3.00 units from the following:		3
PHIL 3	Critical Thinking	
PHIL 4	Introduction to Symbolic Logic	
PHIL 5	Critical Thinking/Writing	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Identify characteristically philosophical issues; and
2. Identify and critically evaluate philosophical arguments, including the arguments of prominent philosophers from the history of philosophy.

Philosophy (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in Philosophy is designed to guide the student seeking a bachelor's degree in Philosophy to fulfill the lower division requirements for that degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Philosophy for Transfer Core Requirements		
PHIL 4	Introduction to Symbolic Logic	3
PHIL 6	Introduction to Philosophy	3

Philosophy for Transfer List A Requirements		
Select any combination totaling at least 3.00 units from the following:		3
PHIL 20	History of Western Philosophy: Ancient and Medieval	
PHIL 21	History of Western Philosophy: Modern	
Philosophy for Transfer List B Requirements		
Select any combination totaling at least 6.00 units from the following:		6
PHIL 3	Critical Thinking	
PHIL 5	Critical Thinking/Writing	
RELS 2	World Religions	
Philosophy for Transfer List C Requirements		
Select any combination totaling at least 3.00 units from the following:		3
PHIL 3	Critical Thinking	
PHIL 5	Critical Thinking/Writing	
PHIL 7	Contemporary Moral Issues	
PHIL 9	Political Philosophy	
PHIL 10	Philosophy of Peace and Nonviolent Action	
PHIL 11	Introduction to Asian Philosophy	
PHIL 12	Environmental Philosophy	
RELS 1	Introduction to Religious Studies	
RELS 2	World Religions	
RELS 3	History of God	
RELS 15	Islam	
RELS 21	The Jewish Bible and the Birth of God	
RELS 22	Jesus and the Invention of Christianity	
RELS 32	Religion in America	
Total Hours/Units		**18**

Notes

A course used to satisfy the List A requirements cannot be used to satisfy List B or List C. A course used to satisfy the List B requirements cannot be used to satisfy List A or List C. A course used to satisfy the List C requirements cannot be used to satisfy List A or List B.

Program Student Learning Outcomes

1. Identify characteristic philosophical issues; and
2. Identify and critically evaluate philosophical arguments, including the arguments of prominent philosophers from the history of philosophy.

Physics (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Physics Degree Program is designed to prepare students for transfer and upper division work at four-year colleges and universities in the fields of physics, astronomy, astrophysics, or applied physics. Students develop the conceptual knowledge, analytical abilities, and laboratory skills necessary for further study in physics related fields.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Physics Requirements		
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
MATH 1C	Calculus, Third Course	4
MATH 2	Calculus, Fourth Course-Differential Equations	4
PHYS 40	Classical Mechanics for Scientists and Engineers	5
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers	4
PHYS 42	Electricity and Magnetism for Scientists and Engineers	4
PHYS 43	Modern Physics for Scientists and Engineers	3
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3AL	General Chemistry Part 1: Lab	2
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**40**

Program Student Learning Outcomes

1. Apply physical principles from the basic subfields of physics (classical mechanics, electricity and magnetism, quantum mechanics, statistical mechanics, and thermodynamics), as well

as areas from application (e.g. solid state physics, optics, etc.) in advanced courses;
2. Apply physical principles to novel situations through critical thinking, problem solving, mathematical modeling, and laboratory experimentation;
3. Design and assemble experimental apparatuses, conduct and analyze measurements of physical phenomena, assess experimental uncertainty, and make meaningful comparisons between experiment and theory; and
4. Communicate ideas and processes of physics clearly and precisely, both orally and in writing.

Physics (AS-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Science for Transfer in Physics degree is designed to prepare students for transfer and upper division work at four-year colleges and universities in the field of physics. Students develop the conceptual knowledge, analytical abilities, and laboratory skills necessary for further study in physics and related fields.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Physics for Transfer Core Requirements		
MATH 1A	Calculus, First Course	5
MATH 1B	Calculus, Second Course	5
MATH 1C	Calculus, Third Course	4
PHYS 40	Classical Mechanics for Scientists and Engineers	5
PHYS 41	Waves, Optics, and Thermodynamics for Scientists & Engineers	4
PHYS 42	Electricity and Magnetism for Scientists and Engineers	4
PHYS 43	Modern Physics for Scientists and Engineers	3
Total Hours/Units		**30**

Notes

MATH 2 Calculus, Fourth Course-Differential Equations is a prerequisite to PHYS 43 Modern Physics for Scientists and Engineers and may be taken after successful completion of MATH 1C Calculus, Third Course.

Program Student Learning Outcomes

1. Apply physical principles from the basic subfields of physics (classical mechanics, electricity and magnetism, quantum mechanics, statistical mechanics, and thermodynamics), as well as apply applications of Physics (e.g. solid state physics, optics, etc.) in advanced courses;
2. Apply physical principles to novel situations through critical thinking, problem solving, mathematical modeling, and laboratory experimentation;
3. Design and assemble experimental apparatuses, conduct and analyze measurements of physical phenomena, assess experimental uncertainty, and make meaningful comparisons between experiment and theory; and
4. Communicate ideas and processes of physics clearly and precisely, both orally and in writing.

Political Science (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Political Science major will provide students with a framework for understanding political theories, institutions and processes. Completion of the program should provide students with the analytical tools needed for success in the major at the university level.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Political Science Major Requirements		
POLS 1000	(POLS C1000) American Government and Politics	3
POLS 2	Introduction to Comparative Government	3
POLS 18	Political Theory	3
POLS 25	Introduction to International Relations	3
Select any combination totaling at least 6.00 units from the following:		6
ECON 2002	(ECON C2002) Principles of Macroeconomics	
ECON 2001	(ECON C2001) Principles of Microeconomics	
HIST 1.2	World History Since 1500 C.E.	
HIST 4.1	History of Western Civilization to 1648 C.E.	
HIST 4.2	History of Western Civilization from 1648 C.E.	
HIST 1001	(HIST C1001) United States History to 1877	
HIST 1002	(HIST C1002) United States History since 1865	
HIST 20	History of the US Since 1945	
HIST 22	History of California	
STAT 1000	(STAT C1000) Introduction to Statistics	
POLS 11	Introduction to the Fundamentals of Political Science	
POLS 10	California State & Local Government	
PHIL 9	Political Philosophy	
SOC 1	Introduction to Sociology	
SOC 2	Modern Social Problems	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Describe how different political theories and political systems address the question of who governs, how resources are allocated, and what rights citizens have in a society;
2. Analyze how political institutions and processes impact our daily lives;
3. Employ critical thinking skills and analysis to interpret and support a political position;
4. Research contemporary political issues drawing on diverse sources, including online material; and
5. Assess and distinguish between factual and interpretive information.

Political Science (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in Political Science (AA-T) degree will provide students with a framework for understanding political theories, institutions and processes. Completion of the degree should provide students with a seamless transition to a CSU and the analytical tools needed for success in the major at the university level. This associate degree is designed to provide a clear and seamless pathway to a CSU major and baccalaureate degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Political Science TMC Core Requirements		
Select any combination totaling at least 9.00 units from the following:		9
POLS 1000	(POLS C1000) American Government and Politics	
POLS 18	Political Theory	
POLS 2	Introduction to Comparative Government	
POLS 25	Introduction to International Relations	
Political Science TMC List A		
Select any combination totaling at least 6.00 units from the following:		6
STAT 1000	(STAT C1000) Introduction to Statistics	
PSYC 9	Introduction to Behavioral Sciences Statistics	
POLS 12	Environmental Policy and Politics	
POLS 1000	(POLS C1000) American Government and Politics	
POLS 11	Introduction to the Fundamentals of Political Science	
POLS 18	Political Theory	
POLS 2	Introduction to Comparative Government	
POLS 25	Introduction to International Relations	
POLS 10	California State & Local Government	
Political Science TMC List B		
Select any combination totaling at least 3.00 units from the following:		3
AJ 26	Crime and Criminal Justice in Society	
ANTH 2	Cultural Anthropology	
ECON 2002	(ECON C2002) Principles of Macroeconomics	
ECON 2001	(ECON C2001) Principles of Microeconomics	
GEOG 7	Introduction to Human Geography	
HIST 4.1	History of Western Civilization to 1648 C.E.	
HIST 4.2	History of Western Civilization from 1648 C.E.	
HIST 1001	(HIST C1001) United States History to 1877	
HIST 1002	(HIST C1002) United States History since 1865	
HIST 18.1	History of Women in the United States to 1877	
HIST 18.2	History of Women in the United States Since 1877	
HIST 21	Race, Ethnicity and Gender in American Culture	
POLS 1000	(POLS C1000) American Government and Politics	
POLS 11	Introduction to the Fundamentals of Political Science	
POLS 12	Environmental Policy and Politics	
POLS 18	Political Theory	
POLS 2	Introduction to Comparative Government	
POLS 25	Introduction to International Relations	
SOC 1	Introduction to Sociology	
SOC 2	Modern Social Problems	
Total Hours/Units		**18**

Program Requirements Notes

A course used to satisfy a requirement in List A can not be used to fulfill the requirements in List B.

Program Student Learning Outcomes

1. Describe how different political theories and political systems address the question of who governs, how resources are allocated, and what rights citizens have in a society;
2. Analyze how political institutions and processes impact our daily lives;
3. Employ critical thinking skills and analysis to interpret and support a political position;
4. Research contemporary political issues drawing on diverse sources, including online material; and
5. Assess and distinguish between factual and interpretive information.

Pre-Allied Health (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Pre-Allied Health major (formerly Physiology major) is designed for students intending to transfer to allied health disciplines, such as Nursing, Dental Hygiene, and Physical Therapy Assistant, etc., at two or four-year institutions. (Please consult a counselor.)

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Pre-Allied Health Major Requirements - Complete 23.00 Units

Code	Title	Hours/ Units
Pre-Allied Health Major Requirements		
ANAT 1	General Human Anatomy	5
BIO 10	Introduction to Principles of Biology	4
CHEM 60	General, Organic and Biological Chemistry	5
PHYZ 1	Human Physiology	5
Select any combination totaling at least 4.00 units from the following:		4
MICR 5	General Microbiology	
MICR 60	Fundamentals of Microbiology	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**24**

Program Student Learning Outcomes

1. Demonstrate an understanding of the relationship between structure and function by predicting the function of unfamiliar structures based on knowledge of previously studied cells, tissues, and organs;
2. Use skills acquired in the human anatomy course to learn new body structures;
3. Work safely in a lab or clinical setting with microorganisms;
4. Explain pharmaceutical drug actions based on knowledge of physiological mechanisms;
5. Apply knowledge of anatomy, microbiology, physiology to more advanced courses required in allied health majors; and
6. Apply knowledge of anatomy, microbiology or physiology in the clinical practice of nursing or dental hygiene.

Pre-Veterinary Studies (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Pre-Veterinary Studies major is designed to provide insight into the veterinary career field, and a solid foundation in the science courses for students with a goal of attending a professional veterinary medicine program such as the UC Davis School of Veterinary Medicine. Veterinarians have Doctorate of Veterinary Medicine (DVM) degrees from one of 30 Veterinary Schools in the United States. This is a graduate degree that requires most students to earn a Bachelor's Degree as part of their journey towards earning a DVM. Each veterinary school has slightly different pre-requisite requirements. A student's state of residency has a major impact on the likelihood of admission for most schools; therefore, Santa Rosa Junior College Pre-Veterinary major is modeled after the requirements for UC Davis. Students are encouraged to review the requirements of different schools through the Association of American Veterinary Medical College's website (aavmc.org).

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Pre-Veterinary Requirements		
VETT 101	Introduction to Veterinary Careers	1.5
BIO 2.1	Fundamentals of Biology (Cell and Molecular)	5
BIO 2.2	Fundamentals of Biology (Evolution, Genetics, and Zoology)	5
BIO 2.3	Fundamentals of Biology (Botany and Ecology)	5
CHEM 3A	General Chemistry Part 1: Lecture	3
CHEM 3AL	General Chemistry Part 1: Lab	2
CHEM 3B	General Chemistry Part 2	5
STAT 1000	(STAT C1000) Introduction to Statistics	4
PHYS 20A	General Physics Part I	4
PHYS 20B	General Physics Part II	4
Select any combination totaling at least 5.00 units from the following:		5
CHEM 8	Introductory Organic Chemistry	
CHEM 12A & CHEM 12B	Organic Chemistry and Organic Chemistry	
Total Hours/Units		**43.5**

Program Student Learning Outcomes

1. Demonstrate understanding of the veterinary medical career field and generate a personal academic and occupational plan.
2. Demonstrate an understanding of foundational concepts in the fields of biology, chemistry and statistics to prepare students towards admissions into a veterinary school.

Psychology (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students completing the Psychology major at Santa Rosa Junior College will develop skills and knowledge consistent with the study of Psychology in a global, multicultural, and comparative context. The successful student will have mastered the reading, writing, and research skills essential to Psychological inquiry and exposition. Completion of the program will provide the orientation and background necessary for success in the major at the university level and will provide a foundation for lifelong learning.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Psychology Major Requirements		
PSYC 1000	(PSYC C1000) Introduction to Psychology	3
PSYC 1B	Introduction to Psychological Research Methods	3
Select any combination totaling at least 3.00 units from the following:		3
PSYC 9	Introduction to Behavioral Sciences Statistics	
STAT 1000	(STAT C1000) Introduction to Statistics	
Psychology Major Restricted Electives		
Select any combination totaling at least 6.00 units from the following:		6
PSYC 3	Human Sexuality	
PSYC 5	Abnormal Psychology	
PSYC 7	Theories of Personality	
PSYC 8	Introduction to Lifespan Psychology	
PSYC 30	Social Psychology	
PSYC 34	The Psychology of Prejudice and Discrimination	
CHLD 10	Child Growth and Development	
or PSYC 4	Child and Adolescent Psychology	
Select any combination totaling at least 6.00 units from the following:		6
PSYC 3	Human Sexuality	
PSYC 5	Abnormal Psychology	
PSYC 7	Theories of Personality	
PSYC 8	Introduction to Lifespan Psychology	
PSYC 10	Introduction to Biological Psychology	
PSYC 10L	Biological Psychology Lab	
PSYC 11	Introduction to Cognitive Psychology	
PSYC 14	Introduction to Positive Psychology	
PSYC 15	Introduction to Psychology of Consciousness	
PSYC 30	Social Psychology	
PSYC 35	Psychology of Personal and Social Adjustment	
PSYC 40	Introduction to Psychology of Gender	
PSYC 46	Aging, Dying and Death	
CHLD 10	Child Growth and Development	
or PSYC 4	Child and Adolescent Psychology	
Total Hours/Units		**21**

Notes

- No course may be used more than once to fulfill a requirement in the major. A grade of "C" or better is required for all major classes.
- Note: Due to UC Course Credit Limitations, students bound for a UC campus should take either PSYC 4 Child and Adolescent Psychology or CHLD 10 Child Growth and Development, but not both.
- Note: If a student has taken SOC 15 Introduction to Sociology of Gender, it can be substituted for PSYC 40 Introduction to Psychology of Gender towards the 6-unit elective course requirements for the AA degree.

Program Student Learning Outcomes

1. Identify the major theoretical approaches, theorists, and historical trends in psychology;

2. Understand and use basic research methods in psychology, including design, data analysis and interpretation;
3. Apply psychological knowledge to personal, social, and cultural issues;
4. Develop interpersonal skills to foster an understanding of self and others in a diverse cultural context;
5. Apply critical thinking to psychological theories, research, and personal assumptions; and
6. Articulate thoughts effectively in written and oral communication.

Psychology (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students completing the Associate in Arts for Transfer in Psychology at Santa Rosa Junior College will develop skills and knowledge consistent with the study of Psychology in a global, multicultural, and comparative context. The successful student will have mastered the reading, writing, and research skills essential to psychological inquiry and exposition. Completion of the major will provide the orientation and background necessary for success in psychology at the university level and will provide a foundation for lifelong learning. This major fulfills the transfer model curriculum for the California State University (CSU) campuses.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0. ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Psychology for Transfer Required		
PSYC 1000	(PSYC C1000) Introduction to Psychology	3
PSYC 1B	Introduction to Psychological Research Methods	3
Select any combination totaling at least 3.00 units from the following:		3
PSYC 9	Introduction to Behavioral Sciences Statistics	
STAT 1000	(STAT C1000) Introduction to Statistics	
Psychology List A		
Select any combination totaling at least 4.00 units from the following:		4
BIO 10	Introduction to Principles of Biology	
BIO 16	Introduction to Biology For Non-Majors	
PSYC 10 & 10L	Introduction to Biological Psychology and Biological Psychology Lab	
Psychology List B		
Select any combination totaling at least 3.00 units from the following:		3
PSYC 4	Child and Adolescent Psychology	
PSYC 5	Abnormal Psychology	
PSYC 7	Theories of Personality	
PSYC 8	Introduction to Lifespan Psychology	
PSYC 30	Social Psychology	
Psychology List C		
Select any combination totaling at least 3.00 units from the following:		3
PSYC 3	Human Sexuality	
PSYC 5	Abnormal Psychology	
PSYC 7	Theories of Personality	
PSYC 8	Introduction to Lifespan Psychology	
PSYC 11	Introduction to Cognitive Psychology	
PSYC 14	Introduction to Positive Psychology	
PSYC 15	Introduction to Psychology of Consciousness	
PSYC 30	Social Psychology	
PSYC 34	The Psychology of Prejudice and Discrimination	
PSYC 35	Psychology of Personal and Social Adjustment	
PSYC 40	Introduction to Psychology of Gender	
PSYC 46	Aging, Dying and Death	
SOC 15	Introduction to Sociology of Gender	
CHLD 10	Child Growth and Development [1]	
PSYC 4	Child and Adolescent Psychology	
Total Hours/Units		**19**

[1] Due to UC Course Credit Limitations, students bound for a UC campus should take either PSYC 4 Child and Adolescent Psychology or CHLD 10 Child Growth and Development, but not both.

Program Requirements Notes

Note: Courses used to satisfy requirements in one category cannot be used to satisfy requirements in another category. Review the TMC template for specific details.

Program Student Learning Outcomes

1. Identify the major theoretical approaches, theorists, and historical trends in psychology;
2. Understand and use basic research methods in psychology, including design, data analysis and interpretation;
3. Apply psychological knowledge to personal, social, and cultural issues;
4. Develop interpersonal skills to foster an understanding of self and others in a diverse cultural context;
5. Apply critical thinking to psychological theories, research, and personal assumptions; and
6. Articulate thoughts effectively in written and oral communication.

Radiologic Technology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Radiologic Major provides training in the operation of X-ray and computer equipment, performance of radiological procedures, creating and processing radiographs, experience in other advanced imaging modalities, and radiation protection. A minimum of 1,850 clinical hours is required in hospitals and radiology departments affiliated with Santa Rosa Junior College. Elective clinical experience in other modalities is available. The SRJC program, accredited by the Joint Review Committee on Education in Radiologic Technology, is approved by the California State Department of Public Health -Radiologic Health Branch.

Upon successful program completion, eligible graduates (contact individual health care agencies for specific criteria and pre-application review process) will be allowed to sit for examinations administered by the American Registry of Radiologic Technologists and the California State Department of Public Health - Radiologic Health Branch.

The radiologic technologist provides patient services using imaging equipment, and assists radiologists or other physicians qualified to order and or perform radiologic procedures. The radiologic technologist's main duty is to provide quality patient care while applying critical thinking and knowledge of sciences, positioning, radiation protection, and radiographic technique. Effective communication with patients, other health professionals and the public is important. Additional duties may include management of images, manipulating radiologic software and hardware infrastructure, performing quality assurance procedures and providing patient education relevant to specific imaging procedures.

The employment outlook for radiologic technologists is very good. The growth in job opportunities is a result of the growth in healthcare industries and new uses of diagnostic imaging and therapeutic technology.

Licensure Note:
The American Registry of Radiologic Technologists may deny licensure for felony or misdemeanor offenses. It is the responsibility of the student to present sufficient evidence of rehabilitation prior to licensure and/or secure a pre-application process with the ARRT, independent to the program admission application.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Radiologic Technology Prerequisites		
CS 5	Computer Literacy	3
HLC 160	Medical Terminology	3
RADT 100	Survey of Medical Imaging	2
Select any combination totaling at least 4.00 units from the following:		4
ENGL 1000	(ENGL C1000) Academic Reading and Writing	
EMLS 10	College Composition for Multilingual Students	
Select any combination totaling at least 3.00 units from the following:		3
ANAT 1	General Human Anatomy	
ANAT 58	Introduction to Human Anatomy	
Select any combination totaling at least 3.00 units from the following:		3
PHYZ 1	Human Physiology	
PHYZ 58	Introduction to Human Physiology	
Select any combination totaling at least 3.00 units from the following:		3
COMM 7	Intercultural Communication	

COMM 1000 & HIST 21	(COMM C1000) Introduction to Public Speaking and Race, Ethnicity and Gender in American Culture	
COMM 1000 & HUM 6	(COMM C1000) Introduction to Public Speaking and Humanities in the United States	
COMM 1000 & PSYC 34	(COMM C1000) Introduction to Public Speaking and The Psychology of Prejudice and Discrimination	
COMM 1000 & SOC 30	(COMM C1000) Introduction to Public Speaking and Race, Ethnicity, and Inequality	
COMM 6 & HIST 21	Interpersonal Communication and Race, Ethnicity and Gender in American Culture	
COMM 6 & HUM 6	Interpersonal Communication and Humanities in the United States	
COMM 6 & PSYC 34	Interpersonal Communication and The Psychology of Prejudice and Discrimination	
COMM 6 & SOC 30	Interpersonal Communication and Race, Ethnicity, and Inequality	
COMM 4 & HIST 21	Survey of Communication and Race, Ethnicity and Gender in American Culture	
COMM 4 & HUM 6	Survey of Communication and Humanities in the United States	
COMM 4 & PSYC 34	Survey of Communication and The Psychology of Prejudice and Discrimination	
COMM 4 & SOC 30	Survey of Communication and Race, Ethnicity, and Inequality	
Select any combination totaling at least 3.00 units from the following: [1]		3
MATH 10	Nature of Mathematics	
STAT 1000	(STAT C1000) Introduction to Statistics	
PSYC 9	Introduction to Behavioral Sciences Statistics	
Select any combination totaling at least 3.00 units from the following:		3
PSYC 1000	(PSYC C1000) Introduction to Psychology	
PSYC 8	Introduction to Lifespan Psychology	
PSYC 30	Social Psychology	
PSYC 46	Aging, Dying and Death	
Radiologic Technology Requirements		
RADT 60	Introduction to Radiologic Technology	2
RADT 61A	Radiographic Positioning 1	4
RADT 61B	Radiographic Positioning 2	3
RADT 61C	Radiographic Positioning 3	1
RADT 63A	Radiation Physics and Medical Imaging Systems	3
RADT 63B	Radiobiology, Radiation Protection, and Quality Control	3
RADT 64	Patient Care in Radiology	3
RADT 64L	Patient Care in Radiology Laboratory	2
RADT 65	Pathology in Radiology	3.5
RADT 66	Special Modalities	4
RADT 68	Preparation for Professional Practice	3
RADT 69	Medical Law and Professional Ethics in Radiologic Technology	3
RADT 71A	Clinical Experience 1	6
RADT 71B	Clinical Experience 2	6
RADT 71C	Clinical Experience 3	2.5
RADT 71D	Clinical Experience 4	8.5
RADT 71E	Clinical Experience 5	8.5
RADT 71F	Clinical Experience 6	4
Total Hours/Units		**97**

[1] Any higher level (https://assessment.santarosa.edu/math-sequence-chart) math course will satisfy requirement

Program Requirements Notes

Program prerequisites are put in place by external accreditation and regulatory agencies and are not subject to catalog rights. Starting Fall 2009, only college transferable reading and composition courses (ENGL 1000 (ENGL C1000) Academic Reading and Writing or equivalent) will be accepted to fulfill the English prerequisite requirement. Completion of all prerequisites must show on official transcripts. Listing of articulated classes are available for review: Articulation Agreements (https://articulation.santarosa.edu/california-community-colleges).

Starting in 2015, the American Registry of Radiologic Technologists will require an Associate Degree as eligibility to sit for the licensing examination. Therefore, the SRJC Radiologic Technology Program strongly urges all applicants who do not possess an Associate Degree or higher, to complete all of the general education requirements for an Associate of Science degree prior to admission to the program in Fall 2013. The program prerequisites only fulfill the graduation requirements in areas A, B, C, D, and G for students using the Option A General Education Pattern.

Recency: applies to Anatomy and Medical Terminology only. Recency is five years preceding the year of application closing.

Notes

Accepted students must successfully pass a criminal background check (paid by students) that will require social security numbers.

All program classes and prerequisites taken in conjunction with this program must be completed with a letter grade of 'C' or better.

For students interested in pursuing mammography, we offer RADT 102 Mammography for Radiologic Technology

Program Student Learning Outcomes

1. Apply radiation safety measures;
2. Perform positioning skills with accuracy;
3. Analyze radiographic images;
4. Adapt to non-routine patients;
5. Demonstrate oral communication skills;
6. Practice written communication skills;
7. Demonstrate professional ethics; and
8. Practice professionalism in the medical environment.

Religious Studies (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Religious Studies Associate of Arts Degree Program prepares students for all and any transfer options in the area of religious studies such as upper division degrees in religious studies, biblical studies, archeology, theological or ministry paths, history, literature, humanities and interdisciplinary studies.

The Religious Studies major is dedicated to the scholarly, historical/critical approach to the study of religious texts and traditions and works within the larger setting of the Humanities and Interdisciplinary Studies.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Religious Studies Requirements		
RELS 1	Introduction to Religious Studies	3
Select any combination totaling at least 3.00 units from the following:		3
HUM 8	Comparative Mythology	
RELS 2	World Religions	
Select any combination totaling at least 12.00 units from the following:		12
RELS 3	History of God	
RELS 6.66	History of Satan	
RELS 7	Wisdom Religions of Asia	
RELS 8	Buddhism	
RELS 15	Islam	
RELS 21	The Jewish Bible and the Birth of God	
RELS 22	Jesus and the Invention of Christianity	
RELS 32	Religion in America	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Demonstrate greater awareness of global religious traditions and their origins;
2. Apply the appropriate lexicon to discuss religions in socio-historical contextual terms;
3. Demonstrate skills in critical analysis of religious claims; and
4. Identify the major world religions and their major branches in order to distinguish among different types of religions.

Signal Technician (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Signal Technician degree will train students to repair, test, adjust, and install electronic equipment, such as industrial controls, transmitters, and antennas. Course requirements will cover assembly, testing, and troubleshooting of automation devices as well as programmable logic controller programs, their installation and related maintenance.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Signal Technician Requirements		
ELEC 54A	Direct and Alternating Current Theory	3
ELEC 54B	Fundamentals of Electronic Devices	3
ELEC 64A	Electronic Construction 1	2
ELEC 88	Computer Hardware	3
ELEC 153	Programmable Logic Controllers	3
ELEC 167	Radio Frequency and Wireless Communications	3
ELEC 180	Lab VIEW for Technicians	3
Total Hours/Units		**20**

Program Student Learning Outcomes

1. Evaluate transmission signals, transmission lines, and antennas.
2. Analyze and measure the characteristics of typical DC and AC circuits.
3. Apply multimeter and oscilloscope measurement techniques to solid state circuits.
4. Build an electronic device using a schematic and device specifications.
5. Install and test the operation of a ladder logic Program for a PLC.
6. Design and program LabVIEW virtual instruments.

Social and Behavioral Sciences (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Social and Behavioral Sciences major is intended for the student who wants to explore the social and behavioral sciences as a foundation of lifelong learning, or as an introduction to the related fields of Sociology, Psychology, Anthropology, Economics, History, Social Science, and/or Political Science. This major is broad and exploratory in nature and does not necessarily fulfill the lower division requirements for transfer in a specific discipline.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Social and Behavioral Sciences Requirements		
Select any combination totaling at least 18.00 units from the following:		18
AGBU 7	Agricultural Economics	
AJ 25	Community Relations	
AJ 26	Crime and Criminal Justice in Society	
ANTH 2	Cultural Anthropology	
ANTH 3	Introduction to Archaeology	
ANTH 4	Ancient Peoples and Society	
ANTH 5	The Anthropology of Language, Communication, and Culture	
ANTH 21	American Folklore and Folklife	
ANTH 30	Anthropology of Globalization	
ANTH 32	Native Cultures of North America	
ANTH 34	Native Cultures of California	
ANTH 42	Cannabis and Culture	
BAD 10	American Business in Its Global Context	
BEHS 49	Independent Study in Behavioral Sciences	
CHLD 10	Child Growth and Development	
CHLD 68	Working With Children and Families in a Diverse Society	
CHLD 90.1	Child, Family, Community Interrelationships	
COMM 7	Intercultural Communication	
COMM 10	Introduction to Communication Theory	
COUN 7	Identity and Cultural Diversity	
COUN 20	Sex and Gender	
CS 57.11	Social Media, the Internet, and Society	

ECON 2002	(ECON C2002) Principles of Macroeconomics
ECON 2001	(ECON C2001) Principles of Microeconomics
ECON 12	Introduction to Economics and the Environment
ETHS 20	Introduction to Ethnic Studies
ETHS 21	Introduction to African-American Studies
ETHS 22	Introduction to Asian American Studies
ETHS 23	Introduction to Chicanx and Latinx Studies
ETHS 24	Introduction to Native American Studies
ETHS 25	The American Indian and the U.S. Political System
ETHS 26	The Original Californians
ETHS 27	American Indians Today
FMA 6	Media, Culture, and Identity
FMA 44	Media Criticism
GEOG 3	World Regional Geography
GEOG 7	Introduction to Human Geography
HIST 5	History of the Modern Middle East
HIST 6	The Holocaust
HIST 8.1	History of Latin America from Pre-Columbian to 1830
HIST 8.2	History of Latin America from 1830 to Present
HIST 1001	(HIST C1001) United States History to 1877
HIST 1002	(HIST C1002) United States History since 1865
HIST 18.1	History of Women in the United States to 1877
HIST 18.2	History of Women in the United States Since 1877
HIST 20	History of the US Since 1945
HIST 21	Race, Ethnicity and Gender in American Culture
HIST 22	History of California
HIST 26	History of Chicanx and Latinx from 1400 to the Present
HIST 30	African American History
HIST 33	History of Mexico
KIN 5	Sport and Society
KIN 8	Psychological Aspects of Sports Performance
POLS 1000	(POLS C1000) American Government and Politics
POLS 2	Introduction to Comparative Government
POLS 10	California State & Local Government
POLS 11	Introduction to the Fundamentals of Political Science
POLS 12	Environmental Policy and Politics
POLS 18	Political Theory
POLS 25	Introduction to International Relations
PSYC 1000	(PSYC C1000) Introduction to Psychology
PSYC 1B	Introduction to Psychological Research Methods
PSYC 3	Human Sexuality
PSYC 4	Child and Adolescent Psychology
PSYC 5	Abnormal Psychology
PSYC 7	Theories of Personality
PSYC 8	Introduction to Lifespan Psychology
PSYC 9	Introduction to Behavioral Sciences Statistics
PSYC 10	Introduction to Biological Psychology
PSYC 11	Introduction to Cognitive Psychology
PSYC 14	Introduction to Positive Psychology
PSYC 15	Introduction to Psychology of Consciousness
PSYC 30	Social Psychology
PSYC 34	The Psychology of Prejudice and Discrimination
PSYC 35	Psychology of Personal and Social Adjustment
PSYC 40	Introduction to Psychology of Gender
SOC 1	Introduction to Sociology
SOC 2	Modern Social Problems
SOC 3	Self and Society
SOC 5	Sociological Research Methods
SOC 10	Close Relationships and Family Life
SOC 15	Introduction to Sociology of Gender
SOC 30	Race, Ethnicity, and Inequality
Total Hours/Units	**18**

Notes

Social Science Department website (https://socialscience.santarosa.edu/)
Behavioral Science Department website (https://behavioralsciences.santarosa.edu/)

Program Student Learning Outcomes

1. Identify major theoretical approaches across a variety of disciplines within the Social and Behavioral Sciences (i.e Psychology, Sociology, Anthropology, History, Political Science and Economics);
2. Employ critical thinking and writing skills in the analysis of complex issues; and
3. Develop a global world view that encompasses diverse perspectives.

Social Justice Studies (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This Associate in Arts for Transfer in Social Justice Studies is designed to provide a clear pathway to a CSU major and baccalaureate programs in Social Justice, Ethnic Studies, Women or Gender Studies, or to programs focused on ethnic groups such as Chicano/Latino Studies, African American Studies, Asian American Studies, or Native American Studies. Social Justice Studies explores the experiences of individuals from different interdisciplinary studies of different groups and the complex relations and phenomena of culture, power, oppression, equity, and equality from the perspective of what is fair and just.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)

- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Social Justice Studies Required Core		
PSYC 40	Introduction to Psychology of Gender	3
Select any combination totaling at least 3.00 units from the following:		3
PSYC 34	The Psychology of Prejudice and Discrimination	
SOC 30	Race, Ethnicity, and Inequality	
Select any combination totaling at least 3.00 units from the following:		3
COUN 20	Sex and Gender	
HIST 18.2	History of Women in the United States Since 1877	
HIST 21	Race, Ethnicity and Gender in American Culture	
HIST 26	History of Chicanx and Latinx from 1400 to the Present	
HIST 30	African American History	
HIST 33	History of Mexico	
PSYC 34	The Psychology of Prejudice and Discrimination	
PSYC 40	Introduction to Psychology of Gender	
SOC 30	Race, Ethnicity, and Inequality	
Social Justice Studies List a (3 Courses From 2+ Areas, See TMC)		
List A		
Select three courses from 2+ areas		9
Area 1: History of Government		
HIST 8.1	History of Latin America from Pre-Columbian to 1830	
HIST 8.2	History of Latin America from 1830 to Present	
HIST 18.1	History of Women in the United States to 1877	
HIST 18.2	History of Women in the United States Since 1877	
HIST 21	Race, Ethnicity and Gender in American Culture	
HIST 22	History of California	
HIST 26	History of Chicanx and Latinx from 1400 to the Present	
HIST 30	African American History	
HIST 33	History of Mexico	
POLS 1000	(POLS C1000) American Government and Politics	
Area 2: Arts and Humanities		
ANTH 31	Mesoamerican Origins of Latino Culture	
ANTH 43	Native American Art and Culture	
ENGL 31	African American Literature	
ENGL 33	Chicano/Chicana Arts and Literature	
ENGL 36	LGBTQ+ Arts and Literature	
HUM 6	Humanities in the United States	
MUSC 9	Jazz Appreciation	
PHIL 9	Political Philosophy	
PHIL 10	Philosophy of Peace and Nonviolent Action	
RELS 32	Religion in America	
SPAN 4	Intermediate Spanish-Part 2	
THAR 6	Multicultural Perspectives in American Theatre	
Area 3: Social Science		
ANTH 21	American Folklore and Folklife	
ANTH 32	Native Cultures of North America	
ANTH 34	Native Cultures of California	
CHLD 68	Working With Children and Families in a Diverse Society	
COMM 7	Intercultural Communication	
COUN 7	Identity and Cultural Diversity	
COUN 20	Sex and Gender	
POLS 18	Political Theory	
Area 4: Quantitative Reasoning and Research Met		
STAT 1000	(STAT C1000) Introduction to Statistics	
or PSYC 9	Introduction to Behavioral Sciences Statistics	
PSYC 1B	Introduction to Psychological Research Methods	
SOC 5	Sociological Research Methods	
Area 5: Major Preparation		
ANTH 34	Native Cultures of California	
COMM 7	Intercultural Communication	
COUN 20	Sex and Gender	
ENGL 31	African American Literature	
ENGL 33	Chicano/Chicana Arts and Literature	
HIST 8.1	History of Latin America from Pre-Columbian to 1830	
HIST 8.2	History of Latin America from 1830 to Present	
HIST 18.2	History of Women in the United States Since 1877	
HIST 21	Race, Ethnicity and Gender in American Culture	
HIST 26	History of Chicanx and Latinx from 1400 to the Present	
HIST 30	African American History	
HUM 6	Humanities in the United States	
MUSC 9	Jazz Appreciation	
SOC 30	Race, Ethnicity, and Inequality	
SPAN 4	Intermediate Spanish-Part 2	
Total Hours/Units		**18**

Notes

For List A Requirements: Select three courses from at least two areas listed on the TMC Template.

A course used to satisfy a requirement in one category can not be used to fulfill the requirements in another category.

Program Student Learning Outcomes

1. Utilize the psychology and/or sociology of prejudice and discrimination to analyze examples of discrimination and oppression in historical and cultural frameworks.
2. Utilize the principles of Women and Gender Studies to identify, explore, and analyze examples of prejudice, discrimination, or oppression of women in historical or cultural frameworks.
3. Utilize statistics or research methods in psychology or sociology to better analyze issues related to Social Justice Studies.
4. Analyze issues in political sciences, arts and humanities, and behavioral and social sciences through a social justice perspective.

Social Work and Human Services (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts in Social Work and Human Services for Transfer Degree is intended for students who plan to transfer and complete a bachelor's degree in Social Work and/or majors in a related discipline at a CSU campus. Students completing this program are guaranteed admission to the CSU system but not necessarily to a particular campus or major of choice. Students should consult with a counselor for more information on admission to specific universities and their transfer requirements as individual schools may require different or additional coursework to that listed for the Associate in Arts in Social Work and Human Services for Transfer Degree.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

social work and human services (AA-T) requirements - 27 units

Code	Title	Hours/ Units
SWHS for Transfer Required Core		
SWHS 90	Introduction to Social Work and Human Services	3
SWHS 86	Social Work Seminar and Fieldwork	3
SOC 1	Introduction to Sociology	3
PSYC 1000	(PSYC C1000) Introduction to Psychology	3
STAT 1000	(STAT C1000) Introduction to Statistics	3
or PSYC 9	Introduction to Behavioral Sciences Statistics	
Select any combination totaling at least 3.00 units from the following:		3
ANAT 1	General Human Anatomy	
or PHYZ 1	Human Physiology	
or BIO 16	Introduction to Biology For Non-Majors	
or BIO 13	Human Biology	
or BIO 10	Introduction to Principles of Biology	
Select any combination totaling at least 3.00 units from the following:		3
ECON 2001	(ECON C2001) Principles of Microeconomics	
or ECON 200	(ECON C2002) Principles of Macroeconomics	
SWHS for Transfer List A		6
AJ 21	Introduction to Administration of Justice	
ANTH 2	Cultural Anthropology	
CHLD 10	Child Growth and Development	
CHLD 90.1	Child, Family, Community Interrelationships	
COMM 7	Intercultural Communication	
ENGL 1001	(ENGL C1001) Critical Thinking and Writing	
HIST 1001	(HIST C1001) United States History to 1877	
HIST 1002	(HIST C1002) United States History since 1865	
PSYC 8	Introduction to Lifespan Psychology	
SOC 2	Modern Social Problems	
SWHS 80	Introduction to Addiction Studies	
SWHS 81	Prevention and Education on Addiction	
SWHS 82	Pharmacological & Physiological Effects of Addiction	
SWHS 87	Ethical Issues in Social Work and Human Services	

SWHS 91	Skills and Techniques in Social Work and Human Services
SWHS 92	Introduction to Group Counseling
SWHS 93	Introduction to Case Management
SWHS 96	Co-Occurring Disorders
COUN 7	Identity and Cultural Diversity
SOC 30	Race, Ethnicity, and Inequality
or PSYC 34	The Psychology of Prejudice and Discrimination
Total Hours/Units	**27**

PROGRAM STUDENT LEARNING OUTCOMES

1. Acquire skills and knowledge that allow them to successfully complete academic work in the Social Work and Human Services field at a transfer institution.
2. Communicate effectively in verbal and written presentations, using vocabulary, grammar, and technical skills appropriate for a career in the Social Work and Human Services profession.
3. Demonstrate a knowledge of Social Work and Human Services principles and practices appropriate for the major.

Sociology (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in Sociology degree provides students with an introduction to and overview of the field of Sociology. Students learn the major theories and research methods used by sociologists, as well as develop the ability to analyze critical aspects of contemporary society. This major fulfills the Transfer Model Curriculum for transfer to California State University (CSU) campuses.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Sociology for Transfer Required Core		
SOC 1	Introduction to Sociology	3
SOC 2	Modern Social Problems	3
Select any combination totaling at least 3.00 units from the following:		3
PSYC 9	Introduction to Behavioral Sciences Statistics	
STAT 1000	(STAT C1000) Introduction to Statistics	
Sociology for Transfer List A		
Select any combination totaling at least 6.00 units from the following:		6
AJ 26	Crime and Criminal Justice in Society	
PSYC 30	Social Psychology	
SOC 10	Close Relationships and Family Life	
SOC 15	Introduction to Sociology of Gender	
SOC 30	Race, Ethnicity, and Inequality	
If choosing one of the courses below, only one will count towards the major (you do not need to take both):		
PSYC 1B	Introduction to Psychological Research Methods	
SOC 5	Sociological Research Methods	
Sociology for Transfer List B		
Select any combination totaling at least 3.00 units from the following:		3
The courses chosen below must be different from List A.		
AJ 26	Crime and Criminal Justice in Society	
ANTH 2	Cultural Anthropology	
GEOG 7	Introduction to Human Geography	
HIST 21	Race, Ethnicity and Gender in American Culture	
PSYC 1000	(PSYC C1000) Introduction to Psychology	
PSYC 30	Social Psychology	
SOC 3	Self and Society	
SOC 10	Close Relationships and Family Life	
SOC 15	Introduction to Sociology of Gender	
SOC 30	Race, Ethnicity, and Inequality	
If neither was chosen from List A, then one may be selected for List B:		
PSYC 1B	Introduction to Psychological Research Methods	
SOC 5	Sociological Research Methods	
Total Hours/Units		**18**

Program Requirements Notes

A course used to satisfy a requirement in one category can not be used to fulfill the requirements in another category.

Program Student Learning Outcomes

1. Explain and apply the major theories, concepts, and methodologies of sociology;
2. Analyze society and social groups using a sociological perspective; and
3. Evaluate structures and policies of major American social institutions.

Spanish (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

A student completing the Spanish major will have a solid background in reading, writing, speaking and comprehending Spanish and will have developed both an understanding and appreciation of Hispanic cultures. The student will be prepared for upper division coursework in Spanish at a four-year university or, should he/she pursue other fields of study, will have achieved a level of competence in Spanish that will both enhance job performance and increase marketability in professions where knowledge of Spanish is either necessary or advantageous.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.

   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Spanish Major Requirements		
SPAN 3	Intermediate Spanish-Part One	4
or SPAN 41	Intermediate Spanish for Spanish Speakers	
SPAN 4	Intermediate Spanish-Part 2	4
Spanish Major Restricted Electives		
Select any combination totaling at least 9.00 units from the following:		9
ANTH 30	Anthropology of Globalization	
ANTH 31	Mesoamerican Origins of Latino Culture	
ENGL 25	Introduction to Linguistics	
ENGL 33	Chicano/Chicana Arts and Literature	
HIST 8.1	History of Latin America from Pre-Columbian to 1830	
HIST 8.2	History of Latin America from 1830 to Present	
HIST 21	Race, Ethnicity and Gender in American Culture	
HIST 26	History of Chicanx and Latinx from 1400 to the Present	
HIST 33	History of Mexico	
HUM 23	Culture and Values in Latin America and The Caribbean	
SPAN 1	Elementary Spanish-Part 1	
SPAN 2	Elementary Spanish-Part 2	
SPAN 40	Introductory Spanish for Spanish Speakers	
SPAN 50A	Conversation for Beginners-Part 1	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**18**

Program Student Learning Outcomes

1. Converse in Spanish with native speakers of Spanish on a full range of topics, including but not limited to, personal and family lives, school or work related topics, current events, historical, political and cultural perspectives with effective use of grammar and comprehensible pronunciation;
2. Demonstrate an understanding of authentic texts in Spanish on a wide range of topics, including but not limited to, newspaper and magazine articles, short stories, letters, poems, essays by identifying and explaining the key points and themes both orally and in writing;
3. Write cogent essays or term papers in grammatically correct Spanish formulating and developing ideas on a full range of topics, including but not limited to, history, culture, literary analysis and current events;
4. Demonstrate cultural awareness and appreciation of the Spanish Spanish American experience by examining, identifying and analyzing the values, attitudes and traditions that characterize such experience; and
5. Succeed in upper division Spanish coursework at a four-year university and/or function in a professional setting where the use of Spanish is an asset.

Spanish (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

A student completing the Associate in Arts for Transfer in Spanish will have a solid background in reading, writing, speaking, and comprehending Spanish and will have developed both an understanding and appreciation of Hispanic cultures. The student will be prepared for upper division coursework in Spanish at a four-year university, or, should he/she pursue other fields of study, will have achieved a level of competence in Spanish that will both enhance job performance and increase marketability in professions where knowledge of Spanish is either necessary or advantageous.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0. ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Spanish for Transfer Core Requirements		
SPAN 1	Elementary Spanish-Part 1	4
SPAN 2	Elementary Spanish-Part 2	4
or SPAN 40	Introductory Spanish for Spanish Speakers	
SPAN 3	Intermediate Spanish-Part One	4
or SPAN 41	Intermediate Spanish for Spanish Speakers	
SPAN 4	Intermediate Spanish-Part 2	4
Spanish for Transfer List A Requirements		
Select any combination totaling at least 3.00 units from the following:		3
ANTH 31	Mesoamerican Origins of Latino Culture	
ENGL 33	Chicano/Chicana Arts and Literature	
FREN 1	Elementary French-Part 1	
FREN 2	Elementary French-Part 2	
FREN 3	Intermediate French-Part 1	
FREN 4	Intermediate French-Part 2	
GERM 1	Elementary German-Part 1	
GERM 2	Elementary German-Part 2	
GERM 3	Intermediate German-Part 1	
GERM 4	Intermediate German-Part 2	
HIST 8.1	History of Latin America from Pre-Columbian to 1830	
HIST 8.2	History of Latin America from 1830 to Present	
HIST 26	History of Chicanx and Latinx from 1400 to the Present	
HIST 33	History of Mexico	
HUM 23	Culture and Values in Latin America and The Caribbean	
ITAL 1	Elementary Italian-Part 1	
ITAL 2	Elementary Italian-Part 2	
ITAL 3	Intermediate Italian-Part 1	
ITAL 4	Intermediate Italian-Part 2	
SPAN 50C	Intermediate Conversation	
Total Hours/Units		**19**

Notes

Important Note for Students: Please use the TMC Template link above to review options for Substitution Courses: If a student places out of any core course(s) and is not awarded units for that course, the student will need to take additional units to compensate for the course/units required to reach at least 18 total units in the major (Title 5 regulations). Course substitutions are made at the discretion of the local college and may or may not be delineated in the local degree. Suggested substitutions include courses in List A. Additional suggested course substitutions are contained in the finalized Transfer Model Curriculum (TMC). The following courses have been identified as options: Any course from List A **or**; ANTHRO 31 Anthropology of Globalization (3 units) or; ENGL 25 Introduction to Linguistics or; HIST 21 Race, Ethnicity and Gender in American Culture or; SPAN 40 Introductory Spanish for Spanish Speakers or; SPAN 41 Intermediate Spanish for Spanish Speakers

Program Student Learning Outcomes

1. Converse in Spanish with native speakers of Spanish on a full range of topics, including but not limited to, personal and family lives, school or work related topics, current events, historical, political and cultural perspectives with effective use of grammar and comprehensible pronunciation;
2. Demonstrate an understanding of authentic texts in Spanish on a wide range of topics, including but not limited to, newspaper and magazine articles, short stories, letters, poems, essays by identifying and explaining the key points and themes both orally and in writing;

3. Write cogent essays or term papers in grammatically correct Spanish formulating and developing ideas on a full range of topics, including but not limited to, history, culture, literary analysis and current events;
4. Demonstrate cultural awareness and appreciation of the Spanish Spanish American experience by examining, identifying and analyzing the values, attitudes and traditions that characterize such experience; and
5. Succeed in upper division Spanish coursework at a four-year university and/or function in a professional setting where the use of Spanish is an asset.

Studio Arts (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This Associate in Arts for Transfer in Studio Arts is designed for students who are pursuing a degree in Studio Art, including the fields of Painting and Drawing, Printmaking, Photography, Ceramics, Sculpture, and related disciplines.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Studio Art for Transfer Core Requirements		
ARTH 1200	(ARTH C1200) Survey of Art from the Renaissance to Contemporary	3
ART 2.3	History of Modern Art in Europe and North America	3
ART 3	Introduction to Art and Design	3
ART 5	Three Dimensional Design	3
ART 7A	Drawing and Composition 1	3
Studio Art for Transfer List A		
Select any combination totaling at least 3.00 units from the following:		3
ARTH 1.1	Introduction to Art of the Ancient World	
ARTH 1.2	Global Art from 1500 CE to Present	
ARTH 1.3	Introduction to Ancient Egyptian Art	
ARTH 1.4	Introduction to Mesoamerican and Andean Art	
ARTH 1100	(ANTH C1100) Survey of Art from Prehistory to the Medieval Era	
Studio Art for Transfer List B		
Select any combination totaling at least 9.00 units from the following:		9
ART 4	Principles of Color	
ART 7B	Drawing and Composition 2	
ART 12	Beginning Figure Drawing	
ART 13	Watercolor	
ART 14A	Beginning Painting	
ART 14B	Intermediate Painting	
ART 19	Beginning Black and White Photography--Darkroom	
ART 21	Intermediate Photography	
ART 24	Introduction to the Art of Printmaking	
ART 26	Introduction to Relief Printmaking	
ART 27A	Beginning Screen Printing	
ART 27B	Intermediate Screen Printing	
ART 28A	Beginning Etching	
ART 28B	Intermediate Etching	
ART 31A	Beginning Ceramics	
ART 31B	Intermediate Ceramics	
ART 33A	Beginning Sculpture	
ART 33B	Intermediate Sculpture	
ART 34A	Ceramic Sculpture	
Total Hours/Units		**27**

Program Student Learning Outcomes

1. Synthesize and apply visual principles in creating works of art;
2. Articulate perception and awareness of fine art and applied design concepts;
3. Develop a vocabulary to discuss art in aesthetic terms;
4. Demonstrate skills in visual analysis by identifying specific formal elements in works of art;
5. Demonstrate appropriate use of art tools, materials and processes;

6. Achieve greater awareness of global and cultural traditions; and
7. Create a portfolio of fine art and designs.

Surveying Technology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Surveying Technology Program *"How does your future measure up?"*
The Surveying Technology program prepares students for a variety of technical positions in the surveying and mapping professions. The program recommended course sequence is set up to allow the student to progress through four semesters and achieve a Certificate of Achievement or an Associate's Degree. This program also prepares students to transfer to university to further their studies in surveying or geomatics.

A career in surveying?
In general, people who like surveying also like math—primarily geometry and trigonometry. The field attracts people with geology, forestry, history, engineering, computer science, and astronomy backgrounds, too. Surveying curriculum includes courses in algebra, geometry, trigonometry, computer aided drafting (CAD), geospatial technology (GIS), geography and computer science.

What is surveying?
Land surveying is crucial to responsible land development. Land surveyors work with engineers, architects and builders to produce precise descriptions (surveys and maps) of surface features of the Earth. Land surveyors perform a variety of vital tasks such as boundary surveys, topographic mapping and construction staking.

What do surveyors do?
Many people think that surveyors only conduct fieldwork. Surveyors can choose from many specialties and get involved at many stages of a project. Sometimes a surveyor may work in the field and then deliver the data to a surveyor who works in the office. The office-based surveyor analyzes the data, creates maps and other documents.

Today's Technology
Land surveyors need to be current with emerging technologies such as GPS (Global Positioning System), 3D laser scanning and digital photography. GPS is used for precise positioning of points anywhere on the earth that are used in a wide variety of mapping procedures. In general, the main function of a land surveyor is measuring and mapping the earth's surface through the use of current technologies and softwares.

Career Options
Land surveying is a career field in high demand throughout industry, government and the private sector. As a land surveyor you will provide services for planned communities, schools, shopping centers, highway projects and more.

The Bureau of Labor Statistics expects job opportunities in the surveying field to grow steadily through 2014, and the areas of urban planning, architecture, construction, and disaster and emergency planning will be particularly strong.

The following is an example of the career path for the Surveying Technology Certificate: Note that some positions require licensing or certification by the state, not just a degree or certificate of completion.

Land Surveying Career Ladder

- Principal Land Surveyor (Owner or Principal in company, Professional Land Surveyor License)
- Land Surveying Coordinator/Manager (Supervisor, PLS License)
- Associate Land Surveyor (Licensed Lead Person, PLS, Office or Field positions)
- Assistant Land Surveyor (Lead Person, Land Surveyor-in-Training (LSIT) Certificate, Office or Field positions)
- Land Surveying Technician I, II, III (Certificate of Achievement from SRJC and experience, Office or Field positions)
- Land Surveying Aide (Part time employees without certificate)

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.

2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Surveying Technology Core Requirements		
GIS 40	Introduction to Geographic Information Systems (GIS)	4
APTE 191	Problem Solving in Civil Engineering Technology	3
CEST 51	Civil Drafting Technology	3

CEST 192	Non-Technical Skills for the Civil Engineering Technician	3
SURV 53	Route Surveying & Design	4
SURV 56	Introduction to GPS Land Surveying	4
SURV 58	Evidence and Procedures for Boundary Determination	4
SURV 60	Introduction to Plane Surveying	4
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**30**

Notes

This program was formerly named "Civil &Surveying Technology: Surveying"

Program Student Learning Outcomes

1. Define and describe land surveying terminology, methods, procedures, standards and technology;
2. Perform basic mathematical, computer and statistical computations related to location, elevation, grade, distance, direction, area, and volume;
3. Communicate clearly and effectively in oral, written and graphic formats;
4. Prepare basic land surveying maps, plats, documents and drawings using computer-aided drafting and geographic information systems technology;
5. Operate terrestrial and global positioning surveying instruments for various types of surveys;and
6. Research, file, retrieve, analyze, locate and prepare basic descriptions of land, drawings, maps, plats, documents, records, reports and correspondence related to land surveying.

Sustainable Agriculture (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Sustainable Agriculture major is designed to train farmers and gardeners in the techniques of sustainable food production. It provides a foundation in plant and soil science, integrated pest management, and ecological agriculture, and emphasizes the "how to" aspects of organic gardening and farming, including tillage, compost production, and crop planning and production.

Students will engage actively in their learning experience by working on SRJC's Shone Farm, participating in the production and distribution of sustainable agriculture products, and participating with local farmers to discover and support best practices.

This program will prepare students for occupations that involve sustainable agriculture practices. Typical job titles include: farming, agricultural production, market gardener, farm manager, propagator, crop consultant, organic inspectors, farm advisor, agricultural supplier, compost production and sales.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/Units
Sustainable Agriculture Requirements		
AGME 50	Agricultural Machinery and Equipment Skills	3
AGRI 20	Introduction to Plant Science	4
AGRI 30	Introduction to Soil Science	3
AGRI 70	Integrated Pest Management	3
SUAG 5	Introduction to Sustainable Agriculture	3
SUAG 160	Direct Farm Marketing	3
SUAG 109	Organic Crop Planning and Production	4
Select any combination totaling at least 4.00 units from the following:		4
AGRI 56	Agricultural Enterprise Project	
AGRI 98	Independent Study in Agriculture	
ANSC 153	Sustainable Agriculture Production Systems with Animals	
SUAG 56	Sustainable Agricultural Enterprise Project	
SUAG 64	Warm Season Crop Production	
SUAG 65	Cool Season Vegetable Production	
SUAG 103	Composting for Organic Farming and Gardening	
SUAG 116	Organic Apple Production	
SUAG 117	Organic Fruit Tree and Berry Production	
SUAG 119	Specialty Crop Production	

SUAG 120	Organic Gardening and Food Production	
SUAG 153	Community Supported Agriculture	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**28**

Notes

The degree will be awarded upon completion of all major requirements with a grade of "C" or better.

Program Student Learning Outcomes

1. Plan and manage diverse crop farming enterprises based on ecological management practices.
2. Apply scientific literacy to the management of agricultural systems.
3. Identify and pursue appropriate market channels for vegetable and fruit crops.
4. Utilize appropriate tools and techniques for the propagation, maintenance, and harvest of organically grown crops.

SWHS: Addiction Studies (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Social Work and Human Services: Addiction Studies Major provides the educational component necessary for certification as a Registered Alcohol and Drug Technician (RADT) through the California Consortium of Addiction Programs and Professionals (CCAPP). Students completing the coursework are eligible to sit for the certifying exam to become a Certified Addiction Treatment Specialist. The Santa Rosa Junior College Social Work and Human Services: Addiction Studies program is accredited by CCAPP.

The Social Work and Human Services Addiction Studies certificate program offers academic preparation and field experience to work in addiction counseling and treatment. It covers a broad range of topics, including drug education and prevention approaches, treatment issues, counseling skills, ethical considerations, and practical knowledge of drugs and their effects. The program prepares students for entry-level work in community settings.

Employment options include working with non-profit agencies as well as local, state and federal agencies. Examples of these agencies are job training programs, residential settings and private social service agencies.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Social Work and Human Services Core Requirements		
COUN 7	Identity and Cultural Diversity	3
SWHS 80	Introduction to Addiction Studies	3
SWHS 83	Family Systems in Addiction Studies	3
SWHS 87	Ethical Issues in Social Work and Human Services	3
SWHS 88	Addiction Studies Practicum	2
SWHS 90	Introduction to Social Work and Human Services	3
SWHS 91	Skills and Techniques in Social Work and Human Services	3
SWHS 92	Introduction to Group Counseling	3
SWHS 93	Introduction to Case Management	3
SWHS 96	Co-Occurring Disorders	3
SWHS 99I	Social Work and Human Services Internship Work Experience	3
Addiction Studies Requirements		
SWHS 81	Prevention and Education on Addiction	3
SWHS 82	Pharmacological & Physiological Effects of Addiction	3
SWHS 86	Social Work Seminar and Fieldwork	3
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**42**

Notes

SWHS 88 Addiction Studies Practicum must be taken twice for a total of 3.0 units.

It is strongly recommended that students complete SWHS 88 Addiction Studies Practicum and SWHS 99I Social Work and Human Services Internship Work Experience in the final semester of taking the core requirements. In this program, SWHS 99I Social Work and Human

Services Internship Work Experience consists of internships in alcohol or drug settings.

CAADE Certification requires that students complete two internships in different modalities. Students will therefore complete a second SWHS 99I Social Work and Human Services Internship Work Experience as part of the Addiction Studies requirements.

Program Student Learning Outcomes

1. Demonstrate an understanding of the social work and human services field and its operational function in relation to client services;
2. Examine and perform various social work and human service roles within the profession incorporating counseling skills, ethical principles and sensitivity to diversity;
3. Demonstrate ability to use research tools to locate and evaluate information that can be applied to the social work and human services field;
4. Demonstrate an understanding of theoretical principles in the behavioral sciences to help address the needs of social work and human services clients; and
5. Identify the essential components of alcohol and drug addiction and employ the tools and skills needed to work with clients in treatment centers.

SWHS: Advocacy (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Social Work and Human Services Advocacy major offers an interdisciplinary approach to developing the skills necessary for human rights advocacy. In today's complex society, social service agencies are tasked with addressing the economic and emotional needs of individuals facing difficulties. These agencies require responsible individuals with some college education to provide a range of services. The Social Work and Human Services Advocacy program prepares students for entry-level work in community-based settings.

Employment options include working with non-profit agencies as well as local, state and federal agencies. Examples of these agencies are job training programs, residential settings and private social service agencies.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
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- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Social Work and Human Services: Advocacy Core Requirements		
COUN 7	Identity and Cultural Diversity	3
SWHS 80	Introduction to Addiction Studies	3
SWHS 90	Introduction to Social Work and Human Services	3
SWHS 91	Skills and Techniques in Social Work and Human Services	3
SWHS 93	Introduction to Case Management	3
SWHS 86	Social Work Seminar and Fieldwork	3
SWHS 87	Ethical Issues in Social Work and Human Services	3
SWHS 92	Introduction to Group Counseling	3
or SWHS 96	Co-Occurring Disorders	
Advocacy Emphasis Requirements		
SWHS 95	Advocating for Social Change	3
Select any combination totaling at least 6.00 units from the following:		6
AJ 25	Community Relations	
AJ 53	Juvenile Procedures	
AJ 26	Crime and Criminal Justice in Society	
AJ 71	Criminal Justice Interviewing & Counseling	
ASL 1	Elementary American Sign Language - Part 1	
CHLD 10	Child Growth and Development	
CHLD 53A	Introduction to Children with Special Needs	
CHLD 90.1	Child, Family, Community Interrelationships	
COUN 20	Sex and Gender	
HLC 160	Medical Terminology	
PHIL 7	Contemporary Moral Issues	
PSYC 1000	(PSYC C1000) Introduction to Psychology	
PSYC 3	Human Sexuality	
PSYC 4	Child and Adolescent Psychology	
PSYC 5	Abnormal Psychology	
PSYC 7	Theories of Personality	
PSYC 30	Social Psychology	

PSYC 40	Introduction to Psychology of Gender	
PSYC 46	Aging, Dying and Death	
RELS 2	World Religions	
SOC 2	Modern Social Problems	
SOC 30	Race, Ethnicity, and Inequality	
SWHS 81	Prevention and Education on Addiction	
SWHS 82	Pharmacological & Physiological Effects of Addiction	
SWHS 83	Family Systems in Addiction Studies	
SWHS 92	Introduction to Group Counseling	
SWHS 96	Co-Occurring Disorders	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**34**

Notes

It is strongly recommended that students complete SWHS 88 Addiction Studies Practicum and SWHS 99I Social Work and Human Services Internship Work Experience in the final semester of taking the core requirements. SWHS 92 Introduction to Group Counseling and SWHS 96 Co-Occurring Disorders can only count once.

Program Student Learning Outcomes

1. Demonstrate an understanding of the social work and human services field and its operational function in relation to client services;
2. Examine and perform various social work and human service roles within the profession incorporating counseling skills, ethical principles and sensitivity to diversity;
3. Demonstrate ability to use research tools to locate and evaluate information that can be applied to the social work and human services field; and
4. Demonstrate an understanding of theoretical principles in the behavioral sciences to help address the needs of social work and human services clients.

Theatre Arts (AA)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Theatre Arts Major is designed for students who are pursuing transfer majors in the Theatre Arts. It provides a basic foundation in theatre history and literature, "hands on experience" in several theatre arts disciplines including Acting, Stagecraft and Costuming, and cultural and historical background necessary to understanding the Theatre Arts. The major may be of interest to those seeking a foundation in related disciplines, such as television, film, and other media. The major may also be of interest to those seeking a foundation for lifelong learning as well.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Theatre Arts Major Requirements		
THAR 1	World Theatre Through Time	3
THAR 6	Multicultural Perspectives in American Theatre	3
THAR 10A	Introduction to Acting	3
THAR 20	Introduction to Stagecraft	3
THAR 25.2	Production Lab: Running Crew	1.5
THAR 21A	Introduction to Costume Technology	3
THAR 25.1	Production Lab: Costume Crew	1.5
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**19**

Notes

1. All students enrolled in the major program will be assigned a faculty advisor who will meet with them regularly to monitor progress.
2. The type of position and number of productions a student will work on during a semester determines the number of units to be taken for THAR 25.1 Production Lab: Costume Crew and THAR 25.2 Production Lab: Running Crew

Program Student Learning Outcomes

1. Develop self-awareness and confidence through creative expression;
2. Collaborate and effectively communicate in a theatre setting;
3. Demonstrate an understanding of time management, commitment, follow-through, and responsibility to achieve a common goal in a theatre setting;

4. Creatively analyze, critique, and interpret works of theatrical art;
5. Identify, summarize, compare and contrast the principal movements in World theatre history and literature;
6. Serve in a production position to gain understanding of the collaborative and complex nature of a live performance;
7. Demonstrate an understanding of and empathy for the racial, ethnic, and cultural diversity of U.S. and World theatre; and
8. Utilize current theatrical technology.

Theatre Arts (AA-T)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Associate in Arts for Transfer in Theatre Arts is designed for students who are pursuing a baccalaureate degree. It provides a basic foundation in theatre history and literature, hands-on experience in several theatre arts disciplines including Acting, Stagecraft and Costuming, and cultural and historical background necessary to understanding the Theatre Arts.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Theatre Arts for Transfer Core Requirements		
THAR 1	World Theatre Through Time	3
THAR 10A	Introduction to Acting	3
Select any combination totaling at least 3.00 units from the following:		3
THAR 25	Production Lab: General	
THAR 25.1	Production Lab: Costume Crew	
THAR 25.2	Production Lab: Running Crew	
THAR 25.3	Production Lab: House Staff	
THAR 25.4	Production Lab: Makeup Crew	
THAR 25.5	Production Lab: Construction	
Theatre Arts for Transfer List A Requirements		
Select any combination totaling at least 9.00 units from the following:		9
ENGL 11	Introduction to Dramatic Literature	
THAR 10B	Scene Study and Characterization	
THAR 11.1	Performance: Non-Musical	
THAR 11.2	Performance: Musical	
THAR 20	Introduction to Stagecraft	
THAR 21A	Introduction to Costume Technology	
or THAR 28	Introduction to Costume Design	
THAR 22	Makeup Design for Stage and Screen	
THAR 24	Introduction to the Design Process	
THAR 25	Production Lab: General	
THAR 25.1	Production Lab: Costume Crew	
THAR 25.2	Production Lab: Running Crew	
THAR 25.3	Production Lab: House Staff	
THAR 25.4	Production Lab: Makeup Crew	
THAR 25.5	Production Lab: Construction	
THAR 26	Introduction to Theatrical Lighting	
THAR 28	Introduction to Costume Design	
Total Hours/Units		**18**

Notes

Select either THAR 21A Introduction to Costume Technology or THAR 28 Introduction to Costume Design for List A requirements. Refer to Transfer Model Curriculum (TMC) for more information.

Program Student Learning Outcomes

1. Demonstrate self-awareness and confidence through creative expression;
2. Collaborate and effectively communicate in a theatre setting;
3. Demonstrate an understanding of time management, commitment, follow-through, and responsibility to achieve a common goal in a theatre setting;
4. Creatively analyze, critique, and interpret works of theatrical art;
5. Identify, summarize, compare and contrast the principal movements in world theatre history and literature;
6. Demonstrate an understanding of the collaborative and complex nature of a live performance through serving in a production position;

7. Demonstrate an understanding and awareness of the racial, ethnic, and cultural diversity of U.S. and world theatre; and
8. Utilize current theatrical technology.

Wastewater Treatment Operatns (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Wastewater Treatment Operations Program provides instructional training necessary for entry level positions in the operation of wastewater treatment facilities and wastewater collection systems as well as assistance in developing the knowledge to pass the required examinations administered by the California Department of Health Services.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0. ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
Wastewater Treatment Operations		
WWTR 112	Math for Water and Wastewater Technology	3
WWTR 120	Wastewater Treatment 1	3
WWTR 121	Wastewater Treatment 2	3
WWTR 122	Chemistry for Water and Wastewater Technology	3
WWTR 123	Instrumentation and Controls	3
WWTR 124	Pumps and Motors	3
Wastewater Treatment Operations Electives		
Select any combination totaling at least 6.00 units from the following:		6
BGN 71	Business English Grammar	
CHEM 42	Introductory General Chemistry	
CHEM 60	General, Organic and Biological Chemistry	
CS 60.1A	Microsoft Word, Part 1	
CS 61.1A	Microsoft Excel, Part 1	
ENGL 1000	(ENGL C1000) Academic Reading and Writing	
ENVS 12	Introduction to Environmental Science	
MATH 101	Mathematics for the Associate Degree	
WTR 110	Water Treatment Plant Operator	
WTR 111	Water Distribution System Operator	
WWTR 125	Industrial Waste Pretreatment Facility Inspection	
Information Learning Resources Requirement		
LIR 10	Introduction to Information Literacy	1
Total Hours/Units		**25**

Program Student Learning Outcomes

1. Read and interpret meters and gauges that monitor the purification process and operation;
2. Apply data to formulas that determine treatment requirements, flow levels, and concentration levels;
3. Collect water samples, operate chemical-feeding devices, and perform laboratory tests;
4. Use information to control pumps, valves, and generators that move wastewater through treatment processes and dispose of the waste materials;
5. Use computers to monitor and regulate processes and equipment and to generate reports; and
6. Apply to take the Wastewater Treatment Plant Operator Examination, Grade II.

Welding Technology (AS)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Welding Technology Associate of Science degree prepares students for work in areas of shipbuilding, bridges and building construction, pipeline construction, refrigeration, missile and aircraft construction, automobile and related industries where metal must be joined together. Developments in metallurgy have created many types of metals that require new techniques to join and fasten.

Associate Degree Requirements

The major is **one** of several requirements students need to fulfill in order to be awarded the Associate Degree, the highest level of academic achievement recognized by Santa Rosa Junior College. Please note that

all of the following requirements must be met in order for the degree to be conferred:

- A General Education Pattern (https://curriculum.santarosa.edu/about-associate-degrees#ge)
- A Major (p. 101)
- A Minimum Number of Degree Units (https://curriculum.santarosa.edu/about-associate-degrees#units)
- A Minimum Number of Units Taken in Residence (https://curriculum.santarosa.edu/about-associate-degrees#residence)
- A Minimum Standard of Scholarship (https://curriculum.santarosa.edu/about-associate-degrees#gpa)

For all students admitted for the Fall 2009 term or any term thereafter, a grade of "C" or better, or "P" if the course is taken on a pass/no pass basis, is required for each course applied toward the major.

Students are required to complete 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California Intersegmental General Education Transfer Curriculum (Cal-GETC) Requirements.
2. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. Students are also required to obtain a minimum grade point average of 2.0.
   ADTs also require that students must earn a C or better or a P (pass) in all courses required for the major or area of emphasis.

Major Requirements

Code	Title	Hours/ Units
MACH 51.1A	Beginning Machine Tool Technology	3
MACH 161	Metallurgy	3
MACH 162	Blueprint Reading for Machine and Related Industries	3
WELD 101	Introduction to Shielded Metal Arc Welding (SMAW)	2
WELD 102	Introduction to Gas Metal Arc Welding (GMAW)	2
WELD 103	Introduction to Flux Cored Arc Welding (FCAW)	2
WELD 104	Introduction to Gas Tungsten Arc Welding (GTAW)	2
WELD 113	Thermal Cutting Processes	2
WELD 114A	Introduction to Metal Fabrication	2
WELD 114B	Advanced Metal Fabrication	2
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Total Hours/Units		**25**

Program Student Learning Outcomes

1. Demonstrate use of mathematic skills, as needed, in the fabricating industry;\\n
2. Demonstrate the knowledge and skills to safely use tools and equipment in a fabricating/welding shop;\\n
3. Identify the difference between ferrous and non-ferrous metals; and\\n
4. Demonstrate the ability to pass the relevant American Welding Society Unlimited Structural Certification Tests (code D1.1)\\n

CERTIFICATES

A

- Academic Prep: Math (Certificate of Competency) (p. 218)
- Academic Preparedness: English (Certificate of Competency) (p. 219)
- Administrative Assistant (Certificate of Achievement) (p. 219)
- Advanced Cardiac Life Support (Skills Certificate) (p. 221)
- Advanced Manufacturing Tech (Certificate of Achievement) (p. 221)
- AE: Basic Computer Ops (Certificate of Completion) (p. 222)
- AE: Carpentry Fundamentals (Certificate of Completion) (p. 223)
- AE: Family Child Care Provider (Certificate of Completion) (p. 224)
- AE: Financial Literacy (Certificate of Completion) (p. 224)
- AE: Fire Resilient Landscaping (Certificate of Completion) (p. 225)
- AE: Intro to Bldg & Constr (Certificate of Completion) (p. 226)
- AE: Intro to Landscape Maint (Certificate of Completion) (p. 227)
- AE: Intro to Landscaping I (Certificate of Completion) (p. 227)
- AE: Intro to Landscaping II (Certificate of Completion) (p. 228)
- AE: Personal Care Attendant (Certificate of Completion) (p. 229)
- AE: Small Business Management (Certificate of Completion) (p. 229)
- AE: Social Media for Business (Certificate of Completion) (p. 230)
- AE: Starting a Small Business (Certificate of Completion) (p. 231)
- AE: Tax Preparation (Certificate of Completion) (p. 232)
- AE: Web-Based Tools & Appls (Certificate of Completion) (p. 232)
- AE: Workforce Preparation (Certificate of Completion) (p. 233)
- AE: Workplace Computer Ops (Certificate of Completion) (p. 234)
- AGAS: Livestock & Equine Mgmt (Certificate of Achievement) (p. 235)
- AGEH: Landscape Constr & Maint (Certificate of Achievement) (p. 236)
- AGEH: Landscape Design (Certificate of Achievement) (p. 238)
- AGNR: Wildfire Resilience (Skills Certificate) (p. 239)
- AGVI: Viticulture (Certificate of Achievement) (p. 240)
- AGWS: Enology (Certificate of Achievement) (p. 241)
- AGWS: Wine Marketing and Sales (Certificate of Achievement) (p. 242)
- AMT: CNC Machining II Tech (Certificate of Achievement) (p. 243)
- AMT: Machine Tool Tech (Skills Certificate) (p. 243)
- Apprenticeship: Roofing (Skills Certificate) (p. 244)
- ArlRmotSnsng&Photogrammtry (Certificate of Achievement) (p. 245)
- Art: Applied Photography (Certificate of Achievement) (p. 246)
- Arts Education Assistant (Certificate of Achievement) (p. 247)
- Automation Fundamentals (Skills Certificate) (p. 248)
- Automotive Brakes and Chassis (Certificate of Achievement) (p. 249)
- Automotive Diagnostic Tech (Certificate of Achievement) (p. 250)
- Automotive Fundamental (Certificate of Achievement) (p. 251)
- Automotive MLR Tech (Certificate of Achievement) (p. 252)
- Automotive Transmission (Certificate of Achievement) (p. 253)
- Autonomous Vehicle (Certificate of Achievement) (p. 254)

B

- Background Investigation (Skills Certificate) (p. 255)
- Basic Academic Skills (Certificate of Completion) (p. 256)
- Basic Arrhythmia Recognition (Skills Certificate) (p. 257)
- Basic Police Officer Academy (Certificate of Achievement) (p. 258)
- Business: Accountant Assistant (Certificate of Achievement) (p. 259)
- Business: Banking and Lending (Certificate of Achievement) (p. 261)
- Business: Bookkeeper (Certificate of Achievement) (p. 262)
- Business: Enrolled Agent (Tax) (Certificate of Achievement) (p. 263)
- Business: Entrepreneurship (Certificate of Achievement) (p. 264)
- Business: Human Resources (Certificate of Achievement) (p. 264)
- Business: Management (Certificate of Achievement) (p. 265)
- Business: Marketing (Certificate of Achievement) (p. 266)
- Business: Real Estate (Certificate of Achievement) (p. 267)
- Business: Real Estate Sales (Skills Certificate) (p. 268)
- Business:Account Clerk/Payroll (Certificate of Achievement) (p. 258)

C

- CA: Baking and Pastry (Certificate of Achievement) (p. 269)
- CA: Culinary Arts (Certificate of Achievement) (p. 270)
- CA: Restaurant Operations (Certificate of Achievement) (p. 271)
- Cal-GETC GE Pattern (Certificate of Achievement) (p. 272)
- Certified Nurse Assistant (Skills Certificate) (p. 273)
- Child Dev: Assoc Teacher (Skills Certificate) (p. 274)
- Child Development: Teacher (Certificate of Achievement) (p. 275)
- Civil Engineering Technology (Certificate of Achievement) (p. 276)
- Commercial Music (Certificate of Achievement) (p. 278)
- Constructn Managmnt Fundamntls (Certificate of Achievement) (p. 279)
- Corrections Officer Core (Skills Certificate) (p. 280)
- CS Adobe Apps Specialist (Certificate of Achievement) (p. 281)
- CS Adobe Illustrator Cert (Skills Certificate) (p. 281)
- CS Adobe InDesign Cert (Skills Certificate) (p. 282)
- CS Adobe Photoshop Entry (Skills Certificate) (p. 283)
- CS Adv Virtual Production RVPA (Certificate of Achievement) (p. 284)
- CS Applied Drone Operation (Certificate of Achievement) (p. 285)
- CS Cisco CCNA Cert (Skills Certificate) (p. 286)
- CS Cybersecurity (Certificate of Achievement) (p. 287)
- CS Drone Certification (Skills Certificate) (p. 288)
- CS Game Development (Certificate of Achievement) (p. 288)
- CS Graphic Design (Certificate of Achievement) (p. 289)
- CS IT Support (Certificate of Achievement) (p. 291)
- CS Linux Administration (Skills Certificate) (p. 292)
- CS Linux Essentials (Skills Certificate) (p. 292)
- CS Microsoft Excel (Skills Certificate) (p. 293)
- CS Microsoft Word (Skills Certificate) (p. 294)
- CS NC Virtual Prod Fundamental (Certificate of Completion) (p. 295)
- CS Virtual Prod Fundamental (Certificate of Achievement) (p. 296)

- CS Web and Mobile Front-End (Skills Certificate) (p. 296)
- CS Web and Mobile Front-End NC (Certificate of Completion) (p. 297)
- CS Web and Mobile Full-Stack (Certificate of Achievement) (p. 298)
- CS Web and Multimedia (Certificate of Achievement) (p. 299)

D

- Dance: Choreography and Perfor (Skills Certificate) (p. 300)
- Dance: Foundations (Skills Certificate) (p. 301)
- Dental Assisting (Certificate of Achievement) (p. 302)
- Dietary Manager (Certificate of Achievement) (p. 303)
- DM: 3D Modeling & Animation (Certificate of Achievement) (p. 304)

E

- Educator Development (Certificate of Achievement) (p. 305)
- Electrical Union Apprentice (Certificate of Achievement) (p. 306)
- Electronic Technolgy Fundmntls (Skills Certificate) (p. 307)
- Emergency Medical Responder (Skills Certificate) (p. 308)
- Emergency Medical Technician (Skills Certificate) (p. 309)
- EMLS Credit: Advanced (Certificate of Achievement) (p. 310)
- EMLS Credit: Intermediate (Certificate of Achievement) (p. 310)
- EMLS NC: Basic Communication (Certificate of Completion) (p. 311)
- EMLS NC: College & Career Prep (Certificate of Completion) (p. 312)
- EMLS NC: Intermediate (Certificate of Completion) (p. 313)
- EMLS NC: Literacy Foundations (Certificate of Completion) (p. 314)
- EMT Refresher (Skills Certificate) (p. 315)
- Engine Machining (Certificate of Achievement) (p. 316)

F

- Fashion Design (Certificate of Achievement) (p. 317)
- Fashion Fundamentals (Certificate of Achievement) (p. 318)
- Film & Media Arts Production (Certificate of Achievement) (p. 319)
- Fire Science - Company Officer (Certificate of Achievement) (p. 320)
- Fire Technology (Certificate of Achievement) (p. 321)
- Firefighter Academy (Certificate of Achievement) (p. 322)
- Fitness and Health Coach (Certificate of Achievement) (p. 323)
- Floral Design (Certificate of Achievement) (p. 324)

H

- Hemp Agriculture (Certificate of Achievement) (p. 325)
- Hospitality Management (Certificate of Achievement) (p. 326)
- HVACR Fundamentals (Certificate of Achievement) (p. 327)

I

- IndustrlMaintenanceFundamntals (Skills Certificate) (p. 328)
- Interior Design (Certificate of Achievement) (p. 329)
- Interior Design: Fundamentals (Certificate of Achievement) (p. 330)
- Interior Design: Technical (Certificate of Achievement) (p. 330)

J

- Journalism: Digital (Certificate of Achievement) (p. 331)
- Juvenile Justice (Certificate of Achievement) (p. 332)

L

- Law Enforcement (Certificate of Achievement) (p. 333)
- Law Enforcement Supervisor (Skills Certificate) (p. 335)

M

- Mchtroncs:IndustrlMntnncTchncn (Certificate of Achievement) (p. 335)
- Mechatronics Fundamentals (Skills Certificate) (p. 336)
- Mechatronics Technician (Certificate of Achievement) (p. 337)
- Medical Assisting (Certificate of Achievement) (p. 338)
- Medium Heavy Truck Technology (Certificate of Achievement) (p. 339)
- MHT Chassis Tech (Certificate of Achievement) (p. 340)
- MHT Diagnostic Tech (Certificate of Achievement) (p. 341)
- MHT Foundation Tech (Certificate of Achievement) (p. 343)

N

- Natural Resources (Certificate of Achievement) (p. 344)

P

- Paralegal Studies (Certificate of Achievement) (p. 345)
- Paramedic (Certificate of Achievement) (p. 346)
- PC 832 Arrest (Skills Certificate) (p. 347)
- Pharmacy Technician (Certificate of Achievement) (p. 348)
- Pilates Apparatus Instructor (Certificate of Achievement) (p. 349)
- Pilates Comprehensive Instruct (Certificate of Achievement) (p. 350)
- Pilates Mat Instructor (Certificate of Achievement) (p. 351)
- Pilates Reformer Instructor (Certificate of Achievement) (p. 352)
- Plumbing & HVAC Apprentice (Certificate of Achievement) (p. 352)
- Plumbing & Pipe Fit Apprentice (Certificate of Achievement) (p. 353)
- Public Safety Dispatcher (Skills Certificate) (p. 354)

R

- Radiologic Technology (Certificate of Achievement) (p. 355)
- Residential Elect. Apprentice (Certificate of Achievement) (p. 357)

S

- Signal Technician (Certificate of Achievement) (p. 358)
- SRJC Local GE (AA/AS) Pattern (Certificate of Achievement) (p. 359)
- Surveying Technology (Certificate of Achievement) (p. 359)
- Sustainable Agriculture (Certificate of Achievement) (p. 361)
- SWHS: Addiction Studies (Certificate of Achievement) (p. 362)
- SWHS: Advocacy (Certificate of Achievement) (p. 363)
- SWHS: Recovery & Acad Success (Skills Certificate) (p. 364)

T

- Technical Theatre Foundations (Certificate of Achievement) (p. 365)
- THAR: Theatre Mgmt (Certificate of Achievement) (p. 366)
- Theatre Arts: Acting (Certificate of Achievement) (p. 368)
- Theatre Arts: Costuming (Certificate of Achievement) (p. 369)
- Theatre Arts: Makeup Design (Certificate of Achievement) (p. 371)
- Theatre Arts: Stagecraft (Certificate of Achievement) (p. 372)

V

- Veterinary Technician (Certificate of Achievement) (p. 374)

W

- Wastewater Operator (Skills Certificate) (p. 375)
- Wastewater Treatment Operatns (Certificate of Achievement) (p. 375)
- Water Distribution (Skills Certificate) (p. 376)
- Water Treatment (Skills Certificate) (p. 377)
- Water Utility Operations (Certificate of Achievement) (p. 378)
- Weld: Flux Cored Arc: FCAW (Certificate of Achievement) (p. 378)
- Weld: Gas Metal Arc: GMAW (Certificate of Achievement) (p. 379)
- Weld: Gas Tungsten Arc: GTAW (Certificate of Achievement) (p. 380)
- Weld: Shielded Metal Arc: SMAW (Certificate of Achievement) (p. 381)
- Welding Technology (Certificate of Achievement) (p. 382)

Y

- Yoga: 200-Hour Teacher Train (Skills Certificate) (p. 383)

Academic Prep: Math (Certificate of Competency)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Academic Preparedness Career Development Mathematics Certificate prepares students with the basic math skills needed to ensure academic success in future courses and the workplace. This certificate also focuses on developing the requisite level of mathematical skills needed to matriculate to future courses.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Academic Preparedness: Mathematics - Complete 96.25 Hours

Code	Title	Hours/ Units
Complete 1 core course (48.125 hours):		
CSKL 403	Math Review C	0
Complete 1 elective course (48.125 hours):		
CSKL 401	Math Review A	0
or CSKL 402	Math Review B	

Program Student Learning Outcomes

1. Evaluate and/or interpret mathematical information, relationships, and/or concepts related to pre-algebra.
2. Apply the mathematical skills required in performing operations and/or problem-solving related to pre-algebra.
3. Communicate mathematical information symbolically, visually and/or numerically using appropriate terminology related to pre-algebra.
4. Evaluate and/or interpret mathematical information, relationships, and/or concepts related to beginning algebra.

5. Apply the mathematical skills required in performing operations and/or problem-solving related to beginning algebra.
6. Communicate mathematical information symbolically, visually and/or numerically using appropriate terminology related to beginning algebra.

Academic Preparedness: English (Certificate of Competency)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Academic Preparedness Career Development English Certificate prepares students with the English writing and reading comprehension skills needed to ensure academic success in college level courses. This certificate focuses on developing the requisite level of essay writing and reading comprehension needed for prospective employment or matriculate to future courses.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Academic Preparedness: English - Complete 96.25 Hours

Code	Title	Hours/ Units
Complete 2 courses (96.25 hours):		
CSKL 700 & CSKL 701	Academic Preparation - English I and Academic Preparation - English II	0

Program Student Learning Outcomes

1. Write a college level essay.
2. Read and respond to college level texts.
3. Create college level written responses to college level texts, such as novels, memoirs, essays, and other sources.

Administrative Assistant (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This program is a Certificate of Achievement. Because the administrative field continues to rank among the largest occupations in the U.S. economy, job opportunities for skilled Administrative Assistants are available locally and nationally. According to the U.S. Department of Labor, approximately nine out of ten Administrative Assistants are employed in service-providing industries that range from education, health care, and social services to government and retail trade. Depending on experience, skills, and level of responsibility, salaries vary broadly. However, job applicants with extensive technology knowledge and workforce skills such as communication, teamwork, project management, problem-solving, and systems develop are in high demand. Individuals who have earned certification typically earn higher salaries and are in high demand for employment.

The traditional role of office professionals continues to dramatically change due to corporate downsizing, the elimination of middle managers, and the increased dependency on technology. As a result, the importance and value of the administrative professionals have dramatically increased, and the demand for well-trained, well-rounded administrative staff has never been greater.

Most businesses regard administrative workers as the operation's point people and rely on their skilled expertise and operational coordination to accomplish multiple administrative and clerical duties that are essential to efficiently running an organization. Some of the key responsibilities expected of Administrative Assistants are planning and scheduling meetings, troubleshooting office equipment and programs, conducting project and database management, disseminating information, pursuing Internet research, composing correspondence, and answering phones, emails and other communication.

The Administrative Assistant program includes an internship, which provides the student an opportunity to use their acquired skills in an office environment and gain experience in their profession before completing the program.

This certificate is the advanced level of the Administrative Assistant program. Students completing the Office Assistant Completion Certificate will have fulfilled a portion of the Administrative Assistant Certificate of Achievement.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Administrative Assistant Requirements - Complete 16.00 Units

Code	Title	Hours/ Units
BAD 52	Human Relations in Organizations	3
BGN 110	Introduction to the Administrative Professional	1
BGN 154	Office Technologies and Procedures	3
Select any combination totaling at least 3.00 units from the following:		3
BBK 50	Computerized Bookkeeping and Accounting 1	
BGN 81	Practical Business Math Skills	
BMG 55	Fundamentals of Financial Analysis	
Select any combination totaling at least 3.00 units from the following:		3
BAD 53	Introduction to Solving Business Problems With Spreadsheets	
CS 5	Computer Literacy	
CS 60.1A	Microsoft Word, Part 1	
CS 60.1B	Microsoft Word, Part 2	
CS 61.1A	Microsoft Excel, Part 1	
CS 61.1B	Microsoft Excel, Part 2	
Select any combination totaling at least 3.00 units from the following:		3
BGN 71	Business English Grammar	
BGN 100	Professional Business Writing	
BMG 52	Business Communication	
Total Hours/Units		**16**

Program Student Learning Outcomes

1. Compose and prepare business documents and correspondence demonstrating appropriate communication techniques and integration of appropriate software and other technology tools;
2. Apply time management, project management, records management, and organizational skills to complete office tasks, projects, and operations;
3. Use critical thinking, problem solving, interpersonal, and collaborative skills to complete work independently or in a team in an ethical and professional manner;
4. Evaluate, analyze, and use appropriate technology to complete tasks and documents productively and efficiently; and
5. Use integrated math computational skills to solve a variety of business applications such as inventory, payroll, calculating interest, and budget monitoring.

Advanced Cardiac Life Support (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Designed for nursing, medical, para-medical or allied health personnel whose daily occupation demands proficiency and certification in the knowledge of advance cardiac life support skills. Student is able to analyze life threatening cardiac emergencies and apply advanced principles of cardiac and respiratory anatomy and physiology. Curriculum adheres to the American Heart Association Advance Cardiac Life Support standards.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Advanced Cardiac Life Support Requirements - Complete 0.50 Units

Code	Title	Hours/ Units
EMC 116	Advanced Cardiac Life Support	0.5

Program Student Learning Outcomes

1. Interpret current cardiology science and practice as it relates to advanced cardiac life support (ACLS) in pre-hospital and hospital environment; and
2. Demonstrate knowledge and skills required for certification by American Heart Association in ACLS.

Advanced Manufacturing Tech (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Advanced Manufacturing Technology Certificate of Achievement offers both theoretical and hands-on training related to lathes, vertical mills, drill press, hand tools, Computer Numeric Control (CNC) machines, and Computer-aided Machining (CAM). A student enrolling in the program should have the desire and ability to work with their hands, possess a high degree of mechanical aptitude and enjoy working in a shop environment.

Technological advances and continued expansion of the advanced manufacturing industry have increased the demands for well trained entry level technicians locally, state-wide and nationally. Individuals with certificate level knowledge of CNC machines and CAM are especially in demand.

Individuals who complete the Advanced Manufacturing certificate program should be able to find employment as an entry-level machinist, CNC technician, or machine operator. Graduates can find employment in a variety of areas, including machine shops, manufacturing industries, industrial machinery and equipment, measuring and controlling devices, and beverage product manufacturers.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Advanced Manufacturing Technology Requirements - Complete 27.50 Units

Code	Title	Hours/ Units
APTE 45	Basic Drafting Skills	1.5
APTE 46	Introduction to Computer-Aided Drafting	2
MACH 51.1A	Beginning Machine Tool Technology	3
MACH 51.1B	Advanced Machine Tool Technology	3
MACH 80A	Computer Numeric Control Machining I	5
MACH 80B	Computer Numeric Control Machining II	5
MACH 161	Metallurgy	3
MACH 162	Blueprint Reading for Machine and Related Industries	3
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Total Hours/Units		**27.5**

Program Student Learning Outcomes

1. Demonstrate safe operation of hand tools, power tools and specialized machine shop tools and equipment;
2. Demonstrate the set up and operation of manual lathes and mills;
3. Interpret CNC (Computer Numeric Control) programming language;
4. Accurately analyze and interpret blueprints and create part(s) to specifications;
5. Interpret blueprints and GDT (Geometric Dimensioning Tolerancing) symbols in order to verify dimensions of a machine part; and
6. Describe applications of design, manufacturing, and fabrication applicable to non-ferrous metals.

AE: Basic Computer Ops (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Basic Computer Operations Certificate of Completion provides a sequence of courses that assist students with little or no experience with computers to practice using common hardware and software including using the keyboarding and mouse, browsing the internet, creating and using an email account for basic and complex functions, online shopping, using classified websites, online bill paying, creating and saving a MS Word document, and using the Google Calendar.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning

& Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Basic Computer Operations - Complete 72.00 Hours

Code	Title	Hours/ Units
Complete 4 courses (72 hours):		
ADED 761.1	Basic Computer Operations 1	0
& ADED 761.2	and Basic Computer Operations 2	
& ADED 761.3	and Basic Computer Operations 3	
& ADED 764	and Introduction to Student Information Systems	

Program Student Learning Outcomes

1. Demonstrate basic understanding of computer hardware and software;
2. Successfully use the internet to search for information, complete online purchases, use classified websites, and pay bills online;
3. Use basic and complex email functions;
4. Create and save a MS Word document;
5. Effectively use simple and complex features of Google Calendar.

AE: Carpentry Fundamentals (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Carpentry Fundamentals Certificate of Completion is a sequence of four courses that prepares students for a career in residential framing (rough carpentry). Students learn carpentry techniques, materials, tools, equipment, workplace safety, math, basic print reading, and how to work effectively on a crew.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Carpentry Fundamentals - Complete 416.50 Hours

Code	Title	Hours/ Units
Complete 4 courses (416.50 hours):		
ADED 740	OSHA 10 Certification Preparation	0
ADED 739	Carpentry Tool Use and Safety	0

ADED 747A	Carpentry I	0
ADED 747B	Carpentry II	0

Program Student Learning Outcomes

1. Use carpentry hand tools, power tools, and personal protective equipment (PPE) in a safe and effective manner.
2. Perform calculations and measurements required for work in residential carpentry.
3. Construct floors, walls, stairs, ceilings, and roofs for residential homes.

AE: Family Child Care Provider (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Family Child Care Provider Certificate of Completion provides a sequence of courses that prepares students to become licensed family childcare providers.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Family Child Care Provider - Complete 80.00 Hours

Code	Title	Hours/ Units
Complete 3 core courses (56 hours):		
ADED 731.2	Child Care Provider 2: Curriculum and Program Development	0
ADED 731.3	Child Care Provider 3: Child Development	0
ADED 730	First Aid, CPR, and AED	0
Complete 1 elective course (24.00-26.00 hours):		
ADED 731.1	Child Care Provider 1: Professional Operations and Licensing	
ADED 751	How to Start a Small Business	
ADED 752	Small Business Financing	
ADED 753	Marketing for a Small Business	

Program Student Learning Outcomes

1. Demonstrate understanding of theories of child development, curriculum and program design, and operations and licensure requirements;
2. Prepare to apply to be a licensed provider.

AE: Financial Literacy (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Financial Literacy Certificate of Completion provides a sequence of four courses that will introduce students to the principles of finance with an emphasis on personal finance. After taking this sequence students will be prepared to move to a focus on business finance.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Financial Literacy - Complete 42.00 Hours

Code	Title	Hours/ Units
Complete 2 courses (42 hours):		
ADED 791	Personal Finance	0
ADED 792	Planning for the Financial Future	0

Program Student Learning Outcomes

1. Create a personal budget of income and expenses;
2. Explain how credit works and how to use credit responsibly;
3. Describe available banking and loan services;
4. Describe basic characteristics of consumer installment and real estate loans;
5. Describe a workable set of financial goals;
6. Create a long-term financial plan leading to retirement.

AE: Fire Resilient Landscaping (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Fire Resilient Landscaping Certificate of Completion includes a sequence of courses that introduce students to residential and commercial landscape and building maintenance practices that reduce risk of structure loss during wildfire and guide safe and effective post-fire mitigation and clean-up.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.

2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Fire Resilient Landscaping - Complete 40.00 Hours

Code	Title	Hours/ Units
Complete 2 courses (40 hours):		
ADED 740	OSHA 10 Certification Preparation	0
ADED 748.3	Fire Resilient Landscaping	0

Program Student Learning Outcomes

1. Explain how buildings ignite during a wildfire;
2. Discuss the prioritization and importance of various structure hardening and defensible space activities;
3. Safely perform a variety of fire risk reduction and mitigation activities using appropriate tools and techniques;
4. Demonstrate an understanding of safety in the workplace;

AE: Intro to Bldg & Constr (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Introduction to Building and Construction Trades Certificate of Completion provides a sequence of courses that assist students in learning about variety of jobs in the field, the communications skills necessary for success, and workforce preparation.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Introduction to Building and Construction Trades - Complete 123.00 Hours

Code	Title	Hours/ Units
Complete 3 core courses (105 hours):		
ADED 740	OSHA 10 Certification Preparation	0
ADED 744	Survey of the Building Trades and Construction Industry	0
ADED 746	Introduction to Plan Reading for Building Trades	0
Complete 1 elective course (18 hours):		
ADED 721	Workplace Arithmetic--Part 1	
or CSKL 722	Workplace Arithmetic--Part 2	

Program Student Learning Outcomes

1. Describe a variety of jobs in the building and construction trades;
2. Demonstrate an understanding of the safety in the workplace;
3. Effectively use correct terminology to explain tasks, materials, and standards in the industry;
4. Read and interpret building plans.

AE: Intro to Landscape Maint (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Introduction to Landscape Maintenance Certificate of Completion provides courses that prepare and train students to work in commercial landscaping businesses and municipal settings. Students will learn and practice the basics of using a variety of landscaping tools and equipment common to landscape maintenance.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Introduction to Landscape Maintenance - Complete 96.00 Hours

Code	Title	Hours/ Units
Complete 4 core courses (88 hours):		
ADED 748.3	Fire Resilient Landscaping	0
ADED 748.4	Introduction to Tree Maintenance and Pruning	0
ADED 748.5	Introduction to Sprinkler Repair and Maintenance	0
ADED 740	OSHA 10 Certification Preparation	0
Complete 1 elective course (8-64 hours):		
ADED 730	First Aid, CPR, and AED	0
or ADED 745	Construction Equipment Operations	

Program Student Learning Outcomes

1. Demonstrate a basic knowledge of key aspects of landscape maintenance including lawn care, pruning and maintaining trees and shrubs, safely using and maintaining landscaping tools and equipment, and basic sprinkler repair;
2. Prepare for a position in the landscaping industry.

AE: Intro to Landscaping I (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Introduction to Landscaping I: Plants and Environmental Conditions Certificate of Completion provides a sequence of courses that assist students in learning about a variety of jobs in the field, the communications skills necessary for success, and workforce preparation.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Introduction to Landscaping - Complete 96.00 Hours

Code	Title	Hours/ Units
Complete 3 core courses (78 hours):		
ADED 740	OSHA 10 Certification Preparation	0
ADED 743	Softscape: Plants and Environmental Conditions	0
ADED 748.1	Edible Landscaping	0
Complete 1 elective course (18-24 hours):		
ADED 721	Workplace Arithmetic--Part 1	0
or CSKL 722	Workplace Arithmetic--Part 2	
or ADED 748.4	Introduction to Tree Maintenance and Pruning	

Program Student Learning Outcomes

1. Describe a variety of jobs in the landscaping industry;
2. Demonstrate an understanding of the safety in the workplace;
3. Effectively use correct terminology to explain tasks, materials, and standards in the industry;
4. Use proper measurement per landscaping plans.

AE: Intro to Landscaping II (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Introduction to Landscaping II: Hardscape and Non-Plant Features Certificate of Completion includes a sequence of courses that provide a foundational understanding of irrigation systems, greywater systems, and stormwater capture systems, irrigation as part of landscape design, and non-plant features that are part of landscape design.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Introduction to Landscaping II Requirements - Complete 112.00 Hours

Code	Title	Hours/ Units
Complete 3 core courses (94 hours):		
ADED 740	OSHA 10 Certification Preparation	0
ADED 742.1	Hardscaping 1: Irrigation	0
ADED 742.2	Hardscaping 2: Non-Plant Features	0
Complete 1 elective course (18.00-48.00 hours):		
ADED 721	Workplace Arithmetic--Part 1	
or CSKL 722	Workplace Arithmetic--Part 2	
or ADED 748	Introduction to Sprinkler Repair and Maintenance	
or ADED 748	Landscape Equipment Operations	

Program Student Learning Outcomes

1. Describe a variety of jobs in the landscaping industry and the associated job duties;
2. Discuss the advantages and disadvantages of various irrigation systems;
3. Describe a range of hardscaping features including the types of materials needed for specific projects and the environment in which they are used;
4. Demonstrate an understanding of the safety in the workplace;
5. Effectively use correct terminology to explain tasks, materials, and standards in the industry.

AE: Personal Care Attendant (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Personal Care Attendant Certificate of Completion provides a sequence of courses that prepare and train students to work as personal care attendants in homes and other institutional settings. This three-course sequence covers basic care, dementia and end of life care, and a practicum working with professionals who provide various kinds of care.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Personal Care Attendant - Complete 128.00 Hours

Code	Title	Hours/ Units
Complete 4 courses (128 hours):		
ADED 737.1	Personal Care Attendant 1: Basic Care	0
ADED 737.2	Personal Care Attendant 2: Dementia and End of Life Care	0
ADED 737.3	Personal Care Attendant 3: Practicum	0
ADED 730	First Aid, CPR, and AED	0

Program Student Learning Outcomes

1. Demonstrate a knowledge of all aspects of basic care, dementia, end of life care, and an understanding of the kinds of position within the field;
2. Prepare to apply for a position as a personal care attendant.

AE: Small Business Management (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Small Business Management Certificate of Completion provides a sequence of courses that will help a small business-owner to achieve greater success and profitability by introducing key elements of supervisory management, customer service, marketing, and updating or modifying an existing business plan.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Small Business Management - Complete 60.00 Hours

Code	Title	Hours/ Units
Complete 3 courses (60 hours):		
ADED 753	Marketing for a Small Business	0
ADED 756	Managing a Small Business	0
ADED 771	Customer Service	0

Program Student Learning Outcomes

1. Explain and demonstrate basic principles of business management;
2. Modify an existing business plan.

AE: Social Media for Business (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Social Media for Business Certificate provides a sequence of courses to help students learn marketing skills utilizing different social media platforms to successfully promote their business.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all

students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Social Media for Business - Complete 54.00 Hours

Code	Title	Hours/ Units
Complete 3 courses (54 hours):		
ADED 763.1	Social Media for Business 1	0
ADED 763.2	Social Media for Business 2	0
ADED 763.3	Social Media for Businesses 3: YouTube	0

Program Student Learning Outcomes

1. Demonstrate professional practices to market a business on social media.
2. Understand user guidelines for a variety of social media platforms.
3. Effectively create and manage a business account for social media platforms, such as Facebook, Instagram, TikTok, Pinterest, LinkedIn, and WhatsApp.
4. Effectively create and manage a YouTube channel.
5. Create client engagement through posts and ads.

AE: Starting a Small Business (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Starting a Small Business Certificate of Completion provides a sequence of courses that lead to the creation of a complete business plan including researching and planning, small business finance, marketing, and writing and presenting the business plan.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Starting a Small Business - Complete 96.00 Hours

Code	Title	Hours/ Units
Complete 3 core courses (72 hours)		
ADED 751	How to Start a Small Business	0
ADED 752	Small Business Financing	0
ADED 753	Marketing for a Small Business	0
Complete 1 elective course (24 hours)		
ADED 762.1	Computer Operations for the Workplace 1	
or ADED 762	Computer Operations for the Workplace 2	
or ADED 762	Computer Operations for the Workplace 3	

or ADED 762	Computer Operations for the Workplace 4
or ADED 762	Computer Operations for the Workplace 5
or ADED 764	Google Tools and Applications- Part 1: Drive and Docs
or ADED 764	Google Tools and Applications- Part 2: Sheets
or ADED 764	Google Tools and Applications- Part 3: Slides

Program Student Learning Outcomes

1. Demonstrate and explain the importance of a complete and well-researched business plan;
2. Create an effective business plan.

AE: Tax Preparation (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Tax Preparation Certificate is a two-course sequence covering basic tax law and tax preparation. The certificate is designed to prepare students to file personal federal and state tax returns for clients and/or volunteer for the free tax preparation program EarnIt! KeepIt! SaveIt! Students will learn how to: navigate the IRS website to find information, prepare and file federal and state tax returns using MyFreeTaxes and TaxSlayer, renew or apply for a new Individual Taxpayer Identification Number (ITIN), make payments to the IRS and track the status of a refund.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Tax Preparation - Complete 48.00 Hours

Code	Title	Hours/ Units
Complete 2 courses (48 hours)		
ADED 754.1	Introduction to Basic Tax Law	0
ADED 754.2	Tax Return Preparation and Filing	0

Program Student Learning Outcomes

1. Demonstrate a basic knowledge of tax law.
2. Complete and file state and federal income tax forms electronically.

AE: Web-Based Tools & Appls (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Web-Based Tools and Applications Certificate of Completion provides a sequence of courses that assist students to build competency in web-based applications and programs for personal and professional use. Students will advance their knowledge of Google Suite apps: Drive, Docs, Sheets, Slides, Forms, Blogger, Photos, and Sites. These tools can be applied to careers in agriculture, business, communications, education, healthcare, manufacturing, municipal services, the non-profit sector, science, and technology.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Web-Based Tools and Applications - Complete 120.00 Hours

Code	Title	Hours/ Units
Complete 5 courses (120 hours)		
ADED 764.1	Google Tools and Applications- Part 1: Drive and Docs	0
ADED 764.2	Google Tools and Applications- Part 2: Sheets	0
ADED 764.3	Google Tools and Applications- Part 3: Slides	0
ADED 764.4	Google Tools and Applications- Part 4: Forms and Blogger	0
ADED 764.5	Google Tools and Applications- Part 5: Photos and Sites	0

Program Student Learning Outcomes

1. Understand and utilize Google Suite apps: Drive, Docs, Sheets, Slides, Forms, Blogger, Photos and Sites;
2. Create, edit and share documents utilizing Google Drive, Docs and Sheets;
3. Create, format, share, import and convert a Google Slides presentation with textual and visual elements;
4. Create, edit and send a Google Form;
5. Create and manage a blog using Google Blogger;
6. Upload, download, edit and share photos and create and share albums in Google Photos;
7. Create, update, share, preview and publish a Google Site.

AE: Workforce Preparation (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Workforce Preparation Certificate of Completion provides a sequence of courses that prepare and train students to work in a wide variety of workplace and industrial environments.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Workforce Preparation - Complete 86.00 Hours

Code	Title	Hours/ Units
Complete 5 courses (86 hours)		
ADED 766.1	Workforce Preparation 1: Soft Skills in the Workplace	0
ADED 766.2	Workforce Preparation 2: Lifelong Learning/ Professionalism	0
ADED 766.3	Workforce Preparation 3: Communication, Customer Service	0
ADED 766.5	Workforce Preparation 5: Transition To Careers: Practicum	0
ADED 766.7	Workforce Preparation 7: Introduction to Workplace Writing	0

Program Student Learning Outcomes

1. Describe and explain the importance of soft skills in a variety of workplaces;
2. Prepare to apply for a position in private or public employment.

AE: Workplace Computer Ops (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Adult Ed: Computer Operations for the Workplace Certificate of Completion provides a sequence of courses to build competency in MS Word, Excel, and PowerPoint for personal and professional use. Students will learn to create and format a variety of documents in MS Word; create and format simple and more advanced worksheets using formulas and graphic elements in MS Excel; and create and format PowerPoint presentations. These tools can be applied to careers in agriculture, business, communications, education, healthcare, manufacturing, municipal services, the non-profit sector, science, and technology.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adult Ed: Computer Operations for the Workplace - Complete 120.00 Hours

Code	Title	Hours/ Units
Complete 5 courses (120 hours)		
ADED 762.1	Computer Operations for the Workplace 1	0

ADED 762.2	Computer Operations for the Workplace 2	0
ADED 762.3	Computer Operations for the Workplace 3	0
ADED 762.4	Computer Operations for the Workplace 4	0
ADED 762.5	Computer Operations for the Workplace 5	0

Program Student Learning Outcomes

1. Create and format a variety of documents in MS Word;
2. Create and format simple worksheets in MS Excel;
3. Add formulas and insert charts and graphs in MS Excel;
4. Create and format a presentation with textual and visual elements in MS PowerPoint.

AGAS: Livestock & Equine Mgmt (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This is a Certificate of Achievement. Animal Science is the study of animals that provide food, fiber, & companionship for mankind. Technological advances in the animal sciences have contributed to a safe, healthy, abundant, & inexpensive food supply. Income from animal agriculture contributes to more than 50 percent of the economic returns of American agriculture to the U.S. economy and accordingly, career opportunities abound for those trained in animal science. The United States Department of Agriculture (USDA) reported that more than 48,000 jobs will be created annually for graduates with expertise in agriculture and related industries. Animal Science isn't just about production of livestock for food and fiber. It also includes today's multi-billion dollar horse industry which is diverse, progressive and incorporates a broad set of technological advancements, requiring individuals who are knowledgeable and skilled to work in this multi-faceted field. By getting a certificate in animal science at Santa Rosa Junior College, you can prepare yourself for one or more of the over 500 different jobs related to animal agriculture including:

- Allied animal industries such as feed & equipment manufacturers, artificial breeding associations, pharmaceutical firms, meat processors, & food distributors employ animal scientists in various technical, managerial, administrative, public relations, & sales positions.
- Breeding & livestock marketing organizations employ animal scientists as field representatives, managers, consultants, market forecasters, & public relations specialists.
- Food processors, meat packers, & related industries seek persons with meat science background for positions in management, product & process development, purchasing, quality assurance, technical & consumer services, advertising, & sales.
- Government agencies employ persons with undergraduate or advanced training in the animal sciences as administrative or technical specialists in livestock marketing, forecasting, environmental regulation, animal health, disease control, meats inspection, & public information.
- Livestock breeders & feedlot operators seek persons with strong animal sciences & business training for positions in production management, animal nutrition, physiology, & behavior.
- Researchers & laboratory technicians are employed by many government agencies & private firms, working in such specialized fields as animal breeding & reproduction, health maintenance & disease control, animal nutrition, computer modeling, animal housing, waste management, environmental quality, & processing, handling, & quality control with meat, milk, eggs, & other animal products.
- State & national organizations such as the National Cattlemen's Association, National Pork Producers Council, the National Dairy Herd Improvement Association, & others employ animal scientists to promote, educate, & work in the public sector with consumers of animal products.
- Universities, colleges, & other educational organizations employ persons with advanced animal sciences training as teachers, researchers, laboratory technicians, & extension specialists.
- Writers & communicators with animal sciences training are employed by the various animal industries in advertising, publications work, & public information activities.
- Zoos, kennels, animal clinics, horse farms, animal preserves, & similar facilities offer many positions as animal caretakers, technicians, gamekeepers, & veterinary assistants.
- Formal training in the basic animal sciences provides essential background for professional careers in Veterinary Medicine.
- Horse farm management at breeding facilities, lesson/boarding barns, and race and show training stables
- Show and race facility managers and staff

To prepare students for these exciting career opportunities Santa Rosa Junior College's Animal Science Program provides student with a broad training in animal husbandry. Students gain knowledge in both lecture classes & hands-on laboratories using Santa Rosa Junior College's 365-acre Shone Farm – a diversified college farm that is literally an outdoor field laboratory & learning environment including a multitude of feeding, care, & restraint facilities for the Animal Science program, featuring 80 acres of pasture for learning grazing strategies, an outdoor arenas, surrounding horse paddocks & corrals and the Porter Barn which has the ability to house cattle, sheep, hogs and/or poultry. For students interested in transferring to a four year program, an Associate's degree in Science for Transfer in Agriculture Animal Science is available.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Animal Science: Livestock and Equine Management - Complete 24.00 Units

Code	Title	Hours/ Units
ANSC 2	Introduction to Farm Animal Health	3
ANSC 20	Basic Animal Science	3
ANSC 61	Livestock Feeding and Nutrition	3
ANSC 134	Livestock Reproduction	3
Select any combination totaling at least 9.00 units from the following:		9
ANSC 27	Beef Cattle Science	
ANSC 29	Dairy Cattle Industry/Dairy Cattle Science	
ANSC 91	Rangeland Management in a Changing Climate	
ANSC 153	Sustainable Agriculture Production Systems with Animals	
ANSC 171	Livestock Behavior and Humane Management	
EQSC 25	Equine Science	
EQSC 60	Equine Anatomy and Physiology	
EQSC 80	Equine and Stable Management	
EQSC 110	Equine Nutrition	
EQSC 170	Farrier Science	
SUAG 103	Composting for Organic Farming and Gardening	
VETT 50	Veterinary Anatomy and Terminology	
VETT 101	Introduction to Veterinary Careers	
ANSC 173	Range Plants of Sonoma County	
NRM 173	Range Plants of Sonoma County	
Select any combination totaling at least 3.00 units from the following:		3
AGBU 2	Agricultural Computer Applications	
AGBU 151A	Agriculture Leadership & Mentor Training Level 1	
AGME 50	Agricultural Machinery and Equipment Skills	
AGRI 30	Introduction to Soil Science	
AGRI 98	Independent Study in Agriculture	
AGRI 99I	Agriculture Internship	
BBK 53.1	QuickBooks Level 1	
BBK 53.2	QuickBooks Level 2	
CS 50A	Web Development 1	
NRM 51	Wildland Trees and Shrubs	
SPAN 50A	Conversation for Beginners-Part 1	
SUAG 5	Introduction to Sustainable Agriculture	
VIT 55	Basic Wine Grape Viticulture	
Total Hours/Units		**24**

Program Student Learning Outcomes

1. Identify best management practices strategies for managing horses and/or livestock that will improve animal quality, protect the natural resources and ensure economic viability of the livestock and equine industry; and
2. Define nutritional needs and demonstrate proper feeding techniques; and
3. List common infectious diseases and parasites and explain the role of preventative health and considerations in developing a herd health management plan; and
4. Demonstrate knowledge of practical reproductive management of livestock and/or horses.

AGEH: Landscape Constr & Maint (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Environmental Horticulture: Landscape Construction and Maintenance Certificate of Achievement program deals with all aspects of plant use and site enhancements in the landscape. This is the most advanced level certificate in the Landscaping program.

People working in the landscape field derive job satisfaction from enhancing the function and beauty of the environment while being physically active outdoors or helping support that activity in allied sales and service occupations. Landscape work involves construction and planting projects, irrigation system design and water management, and specialty fields such as turf management, tree care, and interiorscapes. This program provides an introductory base of plant knowledge and landscape skills, allowing students the option of entering a variety of jobs with the preparation for rapid advancement within their chosen occupations. The program emphasizes hands-on learning and most courses incorporate lab activities that apply knowledge and skills

in realistic settings. The program is actively supported by the local horticulture industry.

The Horticulture industry, which involves the growing, selling, planting and servicing of plants and landscapes for human environments, is one of the fastest growing industries in America. The landscape industry in California is one of the state's largest industries. University studies have consistently found this dynamic, growing sector represents over $12 billion in sales and 130,000 employees. In addition, designed and maintained landscapes cover more than 1.6 million acres in California.

In Sonoma County the landscape industry has expanded dramatically in the last decade. Private and commercial property values are enhanced by professionally installed landscapes, and the services of large and small landscape firms are in high demand. In addition, a significant number of independent, entrepreneurial landscape/garden designers offer services throughout the county.

This industry-wide expansion has been accompanied by an increase in the demand for employees who can deal with all aspects of the landscape. Men and women who possess landscape management skills are qualified to advance into supervisory and management positions within landscape contracting firms, design or landscape construction companies, municipal, state, county, and federal agencies, entrepreneurial landscape maintenance enterprises, and other occupations that require the application of plant knowledge, drafting/design, irrigation design, and landscape construction skills.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Environmental Horticulture: Landscape Construction and Maintenance Requirements - Complete 22.00 Units

Code	Title	Hours/ Units
HORT 8	Landscape Plants: Summer/Fall	3
HORT 12	Landscape Plants: Winter/Spring	3
HORT 51	Introduction to Horticulture	3
HORT 80	Sustainable Landscape Management	3
HORT 91	Landscape Construction/Estimation	3
HORT 144	Landscape Irrigation	3
Select any combination totaling at least 1.00 unit from the following:		1
AGRI 98	Independent Study in Agriculture	
AGRI 99I	Agriculture Internship	
Select any combination totaling at least 3.00 units from the following:		3
AGBU 2	Agricultural Computer Applications	
AGBU 56	Introduction to Agriculture Business and Management	
AGRI 30	Introduction to Soil Science	
HORT 70	Plant Propagation	
HORT 71	Nursery Production	
HORT 93	Landscape Drafting and Design	
Total Hours/Units		**22**

Notes

Only one unit of AGRI 98 Independent Study in Agriculture or AGRI 99I Agriculture Internship is required, but students may elect to take additional units.

Program Student Learning Outcomes

1. Create a materials takeoff for hardscape features;
2. Develop the skills to perform landscape contractor construction skills;
3. Demonstrate proper landscape plant maintenance practices;
4. Develop proper water efficient practices in the landscape; and
5. Assess plants for landscape purposes.

AGEH: Landscape Design (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Environmental Horticulture: Landscape Design Certificate of Achievement program prepares students for occupations within the landscape industry that require garden design skills. The certificate program emphasizes hands-on learning, and most courses incorporate lab activities that apply knowledge and skills in realistic settings.

Landscape design focuses primarily on residential landscape situations and small commercial sites. Projects may range from the design of small focal planting beds and perennial borders to complete garden layouts. Landscape designers provide the planting design in addition to developing the landscape spatial composition.

The landscape industry deals with all aspects of plant use in the landscape. People working in the landscape field derive job satisfaction from enhancing the function and beauty of the environment while being physically active outdoors or helping support that activity in allied sales and service occupations. Landscape work involves construction and planting projects, irrigation system design and water management, and specialty fields such as turf management, tree care, and interiors. This program provides an introductory base of plant knowledge and landscape skills, allowing students the option of entering a variety of jobs with the preparation for rapid advancement within their chosen occupations.

The Horticulture industry, which involves the growing, selling, planting and servicing of plants and landscapes for human environments, is one of the fastest growing industries in America. The landscape industry in California is one of the state's largest industries. University studies have consistently found this dynamic, growing sector represents over $12 billion in sales and 130,000 employees. In addition, designed and maintained landscapes cover more than 1.6 million acres in California.

In Sonoma County the landscape industry has expanded dramatically in the last decade. Private and commercial property values are enhanced by professionally designed landscapes, and the services of large and small landscape firms are in high demand. In addition, a significant number of independent, entrepreneurial landscape/garden designers offer services throughout the county.

This industry-wide expansion has been accompanied by an increase in the demand for employees who can deal with all aspects of the landscape. Men and women who possess landscape management skills are qualified to advance into supervisory and management positions within landscape contracting firms, design or landscape construction companies, municipal, state, county, and federal agencies, entrepreneurial landscape maintenance enterprises, and other occupations that require the application of plant knowledge, drafting/design, irrigation design, and landscape construction skills.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Environmental Horticulture: Landscape Design - Complete 25.00 Units

Code	Title	Hours/ Units
HORT 8	Landscape Plants: Summer/Fall	3
HORT 12	Landscape Plants: Winter/Spring	3
HORT 51	Introduction to Horticulture	3
HORT 91	Landscape Construction/Estimation	3
HORT 93	Landscape Drafting and Design	3
HORT 144	Landscape Irrigation	3
HORT 195	CAD: Landscape Site Plans	3
Select any combination totaling at least 1.00 unit from the following:		1

AGRI 98	Independent Study in Agriculture	
AGRI 99I	Agriculture Internship	
Select any combination totaling at least 3.00 units from the following:		3
AGBU 2	Agricultural Computer Applications	
AGBU 56	Introduction to Agriculture Business and Management	
HORT 70	Plant Propagation	
HORT 71	Nursery Production	
HORT 80	Sustainable Landscape Management	
HORT 184	Introduction to Arboriculture	
HORT 196	CAD: Advanced Landscape Design	
Total Hours/Units		**25**

Notes

Only one unit of AGRI 98 Independent Study in Agriculture or AGRI 99I Agriculture Internship is required, but students may elect to take additional units.

Program Student Learning Outcomes

1. Apply proper landscape principles to an appropriate site;
2. Apply color media to the graphic presentation of a landscape plan; and
3. Prepare perspective drawings of a design.

AGNR: Wildfire Resilience (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The AGNR: Wildfire Resilience Skills Certificate prepares students for a variety of careers in applied natural resources management, with an emphasis on the ecological context and technical skills necessary to steward natural areas and working lands for wildfire resilience. In this program, students learn and apply principles of ecological land management and fire risk reduction through lecture courses, work experience, and hands-on labs. Required courses involve training and practice in proper use and maintenance of appropriate tools and equipment such as chainsaws, brushcutters, firing devices, and hand tools.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

AGNR: Wildfire Resilience - complete 11.50 units

Code	Title	Hours/ Units
NRM 99I	Natural Resources Management Internship	8
NRM 132	Chainsaw Safe Operation and Care	0.5
NRM 145A	Stewardship Practices for Wildfire Resilience: Level 1	1.5
NRM 145B	Stewardship Practices for Wildfire Resilience: Level 2	1.5
Select any combination totaling at Least 6.00 units from the following:		
NRM 51	Wildland Trees and Shrubs	
NRM 70	Forest Management and Assessment	
NRM 72	Forest Fire Control and Its Use	
NRM 87	Geographic Info. Systems Applications in Natural Resources	
NRM 88	Watershed Ecology and Restoration	
NRM 91	Rangeland Management in a Changing Climate	
NRM 104	Ecological Restoration	

NRM 173	Range Plants of Sonoma County	
Total Hours/Units		**11.5**

PROGRAM STUDENT LEARNING OUTCOMES

1. Describe common ecosystem structure and function in Sonoma County natural areas and working lands.
2. Recommend ecological and land management strategies for invasive species management, habitat restoration, and fuel reduction.
3. Demonstrate proficiency in technical skills required for ecological land stewardship practices that reduce fire risk.
4. Analyze land stewardship practices through a variety of related disciplines such as forestry, arboriculture, ecology, environmental restoration, rangeland management, and environmental planning.

AGVI: Viticulture (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Viticulture Certificate of Achievement program provides training for employment as vineyard managers in North Coast wine grape production.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Viticulture Requirements - Complete 24.00 Units

Code	Title	Hours/ Units
AGRI 30	Introduction to Soil Science	3
VIT 51	Viticulture: Fall Practices	3
VIT 52	Viticulture: Spring Practices	3
VIT 55	Basic Wine Grape Viticulture	3
VIT 60	Vineyard Management	3
VIT 70	Vineyard Pest and Disease Management	3
Select any combination totaling at Least 6.00 units from the following:		6
AGME 50	Agricultural Machinery and Equipment Skills	
AGRI 70	Integrated Pest Management	
AGRI 99I	Agriculture Internship	
NRM 87	Geographic Info. Systems Applications in Natural Resources	
SPAN 50A	Conversation for Beginners-Part 1	
VIT 1	Introduction to Viticulture, Winemaking, Wines of the World	
VIT 54	Viticulture: Summer Practices	
VIT 113	Organic Viticulture	
VIT 114	Sustainable Viticulture	
VIT 120	Vineyard Pruning	
VIT 121	Pruning Techniques for Vine Balance	
VIT 123	Budding & Grafting	
VIT 124	Vineyard Irrigation and Fertilization	
VIT 131	Working with Your Winemaker - Fruit Quality Assurance	
VIT 133	Advances in Viticulture	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**24**

Program Student Learning Outcomes

1. Conduct in-depth feasibility studies for new vineyard development, and from the results, prepare comprehensive reports and cost projections appropriate to their planting recommendations;
2. Identify and implement sustainable farming practices that will improve fruit quality, provide efficacious pest and disease management, protect natural resources and the environment, and prepare a farming plan that encompasses these practices;
3. Research and apply all county, state and federal laws regarding vineyard development and maintenance, worker safety, pesticide use, and environmental protection;
4. Demonstrate a working knowledge of the latest technological advances in vineyard management and incorporate current technology into their farming plans and budgets;
5. Work cooperatively and effectively with wineries to determine optimum harvest parameters, coordinate the operations required, and negotiate a grape contract;
6. Show management and leadership capabilities by effectively training others to perform hands-on vineyard tasks: and
7. Contribute to the winegrape industry and participate in professional organizations at the local, state-wide, national and international levels.

AGWS: Enology (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Wine Studies: Enology Certificate of Achievement emphasis, the study of winemaking, offers students an intense, hands-on, experience in fall and spring winery operations and essential introduction to chemistry, organic chemistry, and wine lab analysis. Santa Rosa Junior College's Enology concentration is an interdisciplinary academic/occupational program between the College's outstanding Chemistry and Agriculture/ Natural Resources Departments.

The Enology emphasis prepares students for entry-level positions as winery laboratory assistants, cellar masters, assistant winemakers, winery education directors, wine quality control specialists, and sensory evaluation personnel.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

AGWS: Enology - Complete 23.00 Units

Code	Title	Hours/ Units
Wine Studies Core Requirements		
WINE 1	Introduction to Viticulture, Winemaking, Wines of the World	3
WINE 3	Introduction to Enology	4
WINE 42.1	Fall Winery Operations	2
WINE 42.2	Spring Winery Operations	2
WINE 70	Beginning Wine Sensory Analysis	1.5
WINE 110	Advanced Wine Sensory Analysis	1.5
CHEM 42	Introductory General Chemistry	4
Wine Studies: Enology Emphasis Requirements		
Select any combination totaling at least 5.00 units from the following:		5
AGBU 2	Agricultural Computer Applications	
CHEM 3A	General Chemistry Part 1: Lecture	
CHEM 3AL	General Chemistry Part 1: Lab	
CHEM 8	Introductory Organic Chemistry	
VIT 55	Basic Wine Grape Viticulture	
WINE 55	Lab Analysis of Wines	
AGRI 99I	Agriculture Internship	

WEE 99I	Internship Work Experience Education	
Total Hours/Units		**23**

Program Student Learning Outcomes

1. Demonstrate knowledge of the fundamentals of winemaking and wine cellar practices including product evaluation; and
2. Demonstrate knowledge of general chemistry principles, wine microbiology fundamentals, and wine laboratory techniques; and
3. Demonstrate practices of wine analysis methods during cellaring operations.

AGWS: Wine Marketing and Sales (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Wine Studies: Wine Marketing Certificate of Achievement prepares students with skills such as constructing a wine marketing plan, applying management and business principles to wine marketing, describing wine distribution methods and wine markets, calculating prices in markets, and basic knowledge of retail wine sales.

In addition, the wine core classes give students a thorough understanding of winemaking procedures, principles of wine tasting and analysis, computer programs used in wineries, and knowledge of wines produced locally, regionally, and internationally.

This program prepares students to pursue a variety of possible wine industry jobs that range from Sales Representative, Direct Sales Manager, and Regional Sales Manager to Wine Advising Sales, Fine Wine Sales Representative, Consumer Direct Sales Representative and Manger, Public Relations and Marketing Coordinator, and Wine Merchandiser.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Wine Studies: Wine Marketing Requirements - Complete 22.00 Units

Code	Title	Hours/ Units
WINE 1	Introduction to Viticulture, Winemaking, Wines of the World	3
WINE 70	Beginning Wine Sensory Analysis	1.5
WINE 101	Wine Sales	1.5
WINE 102	Wine Marketing	1.5
WINE 103	Wine Direct to Consumer Sales	1.5
WINE 109	Wine Club Creation, Maintenance, and Promotion	1.5
WINE 128	Developing and Maintaining Wine Social Media Campaigns	1.5
Select any combination totaling at least 10.00 units from the following:		10
WINE 3	Introduction to Enology	
WINE 42.1	Fall Winery Operations	
WINE 42.2	Spring Winery Operations	
WINE 110	Advanced Wine Sensory Analysis	
WINE 111.1	Sonoma American Viticulture Areas-North County	
WINE 111.2	Sonoma American Viticulture Areas-South County	
WINE 130	Wine Service and Hospitality	
AGRI 99I	Agriculture Internship	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**22**

Program Student Learning Outcomes

1. Demonstrate knowledge of skills such as constructing a wine marketing plan, applying management and business principles to wine marketing; and
2. Describe wine distribution methods and wine markets, calculation of pricing in markets, and basic knowledge of global retail wine sales.
3. Demonstrate knowledge of the fundamentals of the wine industry including product evaluation and basic enology concepts.

AMT: CNC Machining II Tech (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Advanced Manufacturing Technology: CNC Machining II offers both theoretical and hands-on training related to CNC Computer Numerical Control (CNC) machines. A student enrolling in the program should have the desire and ability to work with their hands, possess a high degree of mechanical aptitude and enjoy working in a shop environment.

Individuals who complete the Advanced Manufacturing Technology: CNC Machining II Certificate of Achievement are prepared for employment in large and small manufacturing facilities as production workers, set-up persons, and CNC machine operators.

This certificate is part of a career ladder. Since technological advances and continued expansion of the CNC machine tool industry has increased the demand for well trained, entry-level technicians locally, state-wide, and nationally, students may choose to complete additional certificates, such as individuals with certificate level knowledge of CNC machines and Computer-aided Manufacturing (CAM) are especially in demand.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

CNC Machining II Certificate Requirements - Complete 19.00 Units

Code	Title	Hours/ Units
MACH 51.1A	Beginning Machine Tool Technology	3
MACH 80A	Computer Numeric Control Machining I	5
MACH 80B	Computer Numeric Control Machining II	5
MACH 161	Metallurgy	3
MACH 162	Blueprint Reading for Machine and Related Industries	3
Total Hours/Units		**19**

Notes

Certificate will be awarded upon successful completion of all courses with a grade of "C" or better.

Program Student Learning Outcomes

1. Identify intermediate CNC machining tools and fixtures and;
2. Write a program using G (General Function) and M (Miscellaneous Function) codes; and
3. Describe the differences between X, Y, and Z axis.

AMT: Machine Tool Tech (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Advanced Manufacturing Technology: Basic Manual Machine Skills Certificate offers both theoretical and hands-on training related to manual lathes, vertical mills, drill presses, sawing machines and hand tools. A student enrolling in the program should have the desire and ability to work with their hands, possess a high degree of mechanical aptitude and enjoy working in a shop environment.

Individuals who complete the Advanced Manufacturing Technology: Basic Manual Machine Skills Certificate program are prepared for employment as machine operators in manual machine shops and automotive machine shops.

This certificate is part of a career ladder. Since technological advances and continued expansion of the machine tool industry have increased the demand for well trained, entry-level technicians locally, state-wide, and nationally. Students may choose to complete additional certificates, such as individuals with certificate level knowledge of Computer Numerical Control (CNC) machines and Computer-aided Manufacturing (CAM) are especially in demand.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Basic Manual Machine Requirements - Complete 12.00 Units

Code	Title	Hours/ Units
MACH 51.1A	Beginning Machine Tool Technology	3
MACH 51.1B	Advanced Machine Tool Technology	3
MACH 161	Metallurgy	3
MACH 162	Blueprint Reading for Machine and Related Industries	3
Total Hours/Units		**12**

Notes

Certificate will be awarded upon successful completion of all courses with a grade of "C" or better.

Program Student Learning Outcomes

1. Machine a threaded pin to industry specifications.
2. When given specific tolerances, be able to determine high and low limits for a manufactured part.
3. Describe applications of design, manufacturing, and fabrication applicable to non-ferrous metals.

Apprenticeship: Roofing (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Skills Certificate in Apprenticeship: Roofing may be hard work, but it is also very rewarding, particularly for those individuals who are willing to learn and grow as a professional craftsperson. Many apprentice roofers who have moved through apprenticeship have become highly compensated foremen of their own crews with good companies, others have grown into successful roofing contractors or consultants, and some have even come back to the classroom as IRCC trainers. The sky is the limit.

Roofing has become increasingly technical and demanding. Skilled workers are sought after and command competitive wages and job security. Students accepted into the IRCC’s apprenticeship program for roofers will develop those skills, combining classroom instruction with hands-on field exercises and a variety of audio-visual aids.

You can find more information about the application process, training, and career opportunities here: https://ircc.org/employer-resources-for-apprentices (https://ircc.org/employer-resources-for-apprentices/).

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Apprenticeship: Roofing - Complete 4.75 Units

Code	Title	Hours/ Units
APED 353.1	Apprentice Roofers, Module 1	0.5
APED 353.2	Apprentice Roofers, Module 2	0.5
APED 353.4	Apprentice Roofers, Module 4	0.5
APED 353.3	First Aid for Roofers, Module 3	0.25
APED 353.5	Apprentice Roofers, Module 5	0.5
APED 353.6	Apprentice Roofers, Module 6	0.5
APED 353.7	Apprentice Roofers, Module 7	0.5
APED 353.8	Maintenance, Repair and Roofing, Module 8	0.5
APED 353.9	Apprentice Roofers, Module 9	0.5
APED 354.1	Apprentice Roofers, Module 10	0.5
Total Hours/Units		**4.75**

Program Student Learning Outcomes

1. Describe and demonstrate roofing principles and regulations related to the roofing trade.
2. Apply best practices in practical environment related to the roofers' trade.
3. Qualify for a completion certificate in First Aid training.

ArlRmotSnsng&Photogrammtry (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This Certificate offers an introduction to the fundamentals of Aerial Photogrammetry and Remote Sensing, Mission Planning, Data Management, and Data Processing with emphasis on processing Unmanned Aerial Vehicles (UAVs, aka drones) data. For drone flight training, see the Computer Studies department (https://cs.santarosa.edu/drone).

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.

2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Aerial Remote Sensing and Photogrammetry Core Courses - complete 27.00 units

Code	Title	Hours/ Units
CEST 85	CADD for Civil, Surveying and Land Development	3
GIS 40	Introduction to Geographic Information Systems (GIS)	4
SURV 56	Introduction to GPS Land Surveying	4
SURV 60	Introduction to Plane Surveying	4
SURV 62	Introduction to Aerial Remote Sensing & Photogrammetry	3
SURV 63	Advanced Aerial Remote Sensing and Photogrammetry	3
APTE 191	Problem Solving in Civil Engineering Technology	3
CEST 51	Civil Drafting Technology	3
Total Hours/Units		**27**

Program Student Learning Outcomes

1. Plan aerial remote sensing missions.
2. Gain familiarity with the concept of ground control for aerial photogrammetry and remote sensing.
3. Gain familiarity with the least squares statistical method relating to aero triangulation and aerial survey control.
4. Gain a basic proficiency in photogrammetric and remote sensing data processing and preparation.

Art: Applied Photography (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Art: Applied Photography Certificate of Achievement offers a comprehensive foundation in contemporary methods of professional photography. Course work includes digital imaging, processing, studio lighting, event photography and business practices, and the visual language of photography. Curriculum is designed for those entering today's photography industry.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Art: Applied Photography Requirements - Complete 16.00 Units

Code	Title	Hours/ Units
Select any combination totaling at least 16.00 units from the following:		16
ART 19	Beginning Black and White Photography--Darkroom	
ART 21	Intermediate Photography	
ART 22	Advanced Photography	
ART 23	Contemporary Practice of Color Photography	
ART 49	Independent Study in Art	
ART 53	Exhibition Design and Management	
ART 60	Studio Photography	
ART 82	Beginning Digital Photography	
ART 83	Intermediate Digital Photography	
JOUR 59	Photojournalism	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**16**

Program Student Learning Outcomes

1. Make decisions that optimize conceptual impact of created images;
2. Solve creative and technical problems that include project criteria and client expectations;
3. Demonstrate full knowledge of single-lens reflex (SLR) digital single-lens reflex (DSLR) components, medium format, and view camera, as well as exposure controls and light meters;
4. Demonstrate mastery of indoor and outdoor lighting, studio lighting techniques, and mixed lighting situations;
5. Demonstrate knowledge and skill of digital imaging skills consistent with industry standards;
6. Create and present professional level work and a professional portfolio and business plan to meet industry standards.

Arts Education Assistant (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Arts Education Assistant program is designed to support students as they begin to explore careers in Visual and Performing Arts Education as well as current arts educators wishing to enhance their skills in their current positions. The program includes curriculum development that addresses the needs of diverse student populations through discipline-specific and grade-appropriate teaching strategies and curricular models that deepen student learning. Candidates will inform their instructional practices through analysis and reflection to support students' engagement with the arts as an academic discipline. Students will gain knowledge of diverse instructional strategies, inclusive of technology, to meet the varying abilities, learning styles, and cultural assets of all students to deepen student learning within a positive learning environment.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Arts Education Assistant - complete 16.00 units

Code	Title	Hours/ Units
EDU 65	Secondary Curriculum Development for Diverse Classrooms	4
EDU 67	Educational Technology for Classroom Teachers	4
Complete any combination totaling at least 8.00 units from the following:		8
Art		
ART 3	Introduction to Art and Design	
ART 7A	Drawing and Composition 1	
or ART 82	Beginning Digital Photography	
ART 4	Principles of Color	
or ART 5	Three Dimensional Design	
Music		
MUSC 2A & MUSC 3A & MUSP 11A & MUSP 11B	Music Theory 1 and Musicianship 1 and Class Piano 1 and Class Piano 2	
Technical Theatre		
THAR 20 & THAR 21A & THAR 22	Introduction to Stagecraft and Introduction to Costume Technology and Makeup Design for Stage and Screen	
Dance		
DANC 2	Survey of Dance History	
DANC 3.1	Choreography I	
DANC 11.3	Ballet III	
DANC 13.3	Jazz Dance III	
DANC 14.3	Contemporary Dance III	
DANC 16.3	Modern Dance III	
Total Hours/Units		**16**

PROGRAM STUDENT LEARNING OUTCOMES

1. Demonstrate the ability to effectively support instruction in an arts classroom. Implement curriculum that addresses the needs of diverse student populations through grade-appropriate teaching strategies and curricular models that deepen student learning; meet varying abilities and learning styles; and actively engage learners.
2. Implement diverse instructional strategies, inclusive of technology, to meet the varying abilities, learning styles, and cultural assets of all students to deepen student learning within a positive learning environment.
3. Inform their instructional practices through analysis and reflection to support students' engagement with the arts.

Automation Fundamentals (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automation Fundamentals Skills Certificate provides skills needed to develop, maintain and troubleshoot computer based testing and control systems. These skills enhance the basic training necessary to perform the work of an electronic technician in both traditional engineering environments and service-related environments. This program was developed in response to request from local high tech manufacturing companies that have a need for electronics technicians trained in specific software tools such as Programmable Logic Controllers and National Instruments LabVIEW development software.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Electronic Technology: Automated Tests and Controls Requirement - Complete 9.00 Units

Code	Title	Hours/ Units
ELEC 88	Computer Hardware	3
ELEC 153	Programmable Logic Controllers	3
ELEC 180	Lab VIEW for Technicians	3
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Perform measurements of voltage, current and resistance using analog, digital and computer based test equipment.
2. Use computers to monitor and regulate processes and equipment, and to generate reports.
3. Upgrade and maintain both internal and external computer peripherals used for testing and data acquisition.
4. Develop, implement and troubleshoot LabVIEW programs for the purpose of analyzing and controlling virtual and electro-mechanical devices.
5. Create circuit simulations with Multisim for the purpose of testing circuit designs.
6. Write complex programs for Programmable Logic Controllers (PLC).
7. Identify and troubleshoot PLC program problems.

Automotive Brakes and Chassis (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automotive Brakes and Chassis Certificate offers both theoretical and hands-on training for brake and suspension systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice automotive technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Automotive Brakes and Chassis - Complete 17.00 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 140	Automotive Suspension and Steering Systems	3
ATL 150	Automotive Braking Systems	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
Total Hours/Units		**17**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.

4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Research and identify correct procedures and specifications for maintenance and repair of suspension and steering systems.
6. Research and identify correct procedures and specifications for maintenance and repair of braking systems.
7. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
8. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
9. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
10. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
11. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.

Automotive Diagnostic Tech (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automotive Diagnostic Technician Certificate offers both theoretical and hands-on training, including engine theory, fuel systems, heating ventilation and air conditioning, pollution control systems, electrical systems, drive trains, suspension systems, and hybrid & electric vehicle systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice automotive technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Automotive Diagnostic Technician Certificate - Complete 26.00 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 110	Internal Combustion Engine Theory and Repair	3
ATL 111	Electric and Hybrid Vehicle Powertrain Systems	3
ATL 120	Automotive Automatic Transmission and Transaxle Systems	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
ATL 180	Internal Combustion Engine Performance	3
Total Hours/Units		**26**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.

4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Identify engine block assembly components and configurations.
6. Demonstrate the proper steps to remove a cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer's specification and procedure.
7. Demonstrate the proper steps for performing a timing belt replacement and setting the timing belt, crankshaft, and camshafts in proper positions.
8. Demonstrate the precautions (personal and shop safety procedures) needed to safely work with high voltage systems.
9. Demonstrate acquired knowledge related to the components used of modern Hybrid/ Electronic vehicles.
10. Demonstrate familiarity with reference materials such as schematics, flow charts, logic trees, and workshop manuals to aid in battery system troubleshooting.
11. Demonstrate how to perform basic maintenance related to hybrid and electric vehicles.
12. Demonstrate how to diagnose a basic hybrid or electric vehicle fault using standard diagnostic equipment.
13. Research and identify correct procedures and specifications for maintenance and repair of automatic transmissions and transaxle systems.
14. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
15. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
16. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
17. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
18. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
19. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
20. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.
21. Explain the operation, troubleshooting and repair of the ignition, fuel and emission control systems of late model automobiles.
22. Demonstrate repair of automotive ignition, fuel, and integrated electronic engine controls.
23. Perform diagnosis, service, and maintenance procedures in a timely manner to industry standards.

Automotive Fundamental (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automotive Fundamentals Certificate offers both theoretical and hands-on training, including engine theory, fuel systems, heating ventilation and air conditioning, and electrical systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice automotive technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Automotive Fundamentals - Complete 17.00 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 110	Internal Combustion Engine Theory and Repair	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
Total Hours/Units		**17**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Identify engine block assembly components and configurations.
6. Demonstrate the proper steps to remove a cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer's specification and procedure.
7. Demonstrate the proper steps for performing a timing belt replacement and setting the timing belt, crankshaft, and camshafts in proper positions.
8. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
9. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
10. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
11. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
12. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
13. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
14. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.

Automotive MLR Tech (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automotive Maintenance and Light Repair Certificate offers both theoretical and hands-on training, including engine theory, fuel systems, heating ventilation and air conditioning, pollution control systems, electrical systems, drive trains, brake systems, suspension systems, and hybrid and electric vehicle systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice automotive technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all

students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Automotive Maintenance and Light Repair - Complete 32 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 110	Internal Combustion Engine Theory and Repair	3
ATL 120	Automotive Automatic Transmission and Transaxle Systems	3
ATL 130	Automotive Manual Transmissions and Drive Train Systems	3
ATL 140	Automotive Suspension and Steering Systems	3
ATL 150	Automotive Braking Systems	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
ATL 180	Internal Combustion Engine Performance	3
Total Hours/Units		**32**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Identify engine block assembly components and configurations.
6. Demonstrate the proper steps to remove a cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer's specification and procedure.
7. Demonstrate the proper steps for performing a timing belt replacement and setting the timing belt, crankshaft, and camshafts in proper positions.
8. Research and identify correct procedures and specifications for maintenance and repair of automatic transmissions and transaxle systems.
9. Research and identify correct procedures and specifications for maintenance and repair of manual transmission and drive train systems.
10. Research and identify correct procedures and specifications for maintenance and repair of suspension and steering systems.
11. Research and identify correct procedures and specifications for maintenance and repair of braking systems.
12. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
13. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
14. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
15. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
16. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
17. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
18. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.
19. Explain the operation, troubleshooting and repair of the ignition, fuel and emission control systems of late model automobiles.
20. Demonstrate repair of automotive ignition, fuel, and integrated electronic engine controls.
21. Perform diagnosis, service, and maintenance procedures in a timely manner to industry standards.

Automotive Transmission (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automotive Transmission Certificate offers both theoretical and hands-on training for drive trains. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice automotive technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.

2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Automotive Transmission - Complete 17.00 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 120	Automotive Automatic Transmission and Transaxle Systems	3
ATL 130	Automotive Manual Transmissions and Drive Train Systems	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
Total Hours/Units		**17**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Research and identify correct procedures and specifications for maintenance and repair of automatic transmissions and transaxle systems.
6. Research and identify correct procedures and specifications for maintenance and repair of manual transmission and drive train systems.
7. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
8. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
9. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
10. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
11. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.

Autonomous Vehicle (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Automotive Diagnostic Technician major offers both theoretical and hands-on training, including engine theory, fuel systems, heating ventilation and air conditioning, pollution control systems, electrical systems, drive trains, suspension systems, and hybrid & electric vehicle systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice automotive technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa

Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.

2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Autonomous Vehicle - Complete 29.00 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 111	Electric and Hybrid Vehicle Powertrain Systems	3
ATL 140	Automotive Suspension and Steering Systems	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 163	Mobile Electrical Systems 3	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
Select any combination totaling at least 6.00 units from the following:		6
CS 81.41	Programming Essentials in Python for Networking	
ELEC 88	Computer Hardware	
ELEC 153	Programmable Logic Controllers	
ELEC 180	Lab VIEW for Technicians	
Total Hours/Units		**29**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Demonstrate the precautions (personal and shop safety procedures) needed to safely work with high voltage systems.
6. Demonstrate acquired knowledge related to the components used of modern Hybrid/ Electronic vehicles.
7. Demonstrate familiarity with reference materials such as schematics, flow charts, logic trees, and workshop manuals to aid in battery system troubleshooting.
8. Demonstrate how to perform basic maintenance related to hybrid and electric vehicles.
9. Demonstrate how to diagnose a basic hybrid or electric vehicle fault using standard diagnostic equipment.
10. Research and identify correct procedures and specifications for maintenance and repair of suspension and steering systems.
11. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
12. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
13. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
14. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
15. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
16. Demonstrate proper methods for high voltage glove testing.
17. Demonstrate the proper use of a voltmeter in performing high voltage battery testing.
18. Demonstrate the proper use of ohm meters for motor testing.
19. Demonstrate the calibration process for an Advanced Driver Assistance Systems (ADAS).
20. Demonstrate a scope capture of a specialized internal communications network (BUS) signal.
21. Access and interpret module data on ADAS.
22. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
23. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.
24. Describe the principles of structured programming and be able to describe, design, implement, and test structured programs using currently accepted methodology.
25. Troubleshoot and repair system components.
26. Establish electronic communication between a programmable logic controller (PLC) and a personal computer.
27. Identify and correct Virtual Instrument program errors.

Background Investigation (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This single-course certificate is designed for those individuals who conduct preemployment personnel background investigations for public safety employment. The student will be introduced to the federal and state fair employment laws, job dimensions, job traits, and essential functions of the background investigator. The student will understand the role and responsibilities of the investigator in the preemployment background investigation process, and will gain the ability to conduct effective preemployment interviews as well as how to document a thorough preemployment background investigation.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Background Investigation - Complete 0.50 Units

Code	Title	Hours/ Units
AJ 350	Background Investigation	0.5

Program Student Learning Outcomes

1. Describe the background investigation process;
2. Demonstrate the responsibilities involved in conducting a public safety pre-employment background investigation;
3. Explain the role of the California Commission on Peace Officer Standards and Training (POST) as a resource for conducting a pre-employment background investigation; and
4. Recognize the laws and regulations involved in the background investigation process.

Basic Academic Skills (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Certificate of Completion in Basic Academic Skills provides basic math, reading, writing, social studies, science, and technology skills to prepare students for the General Education (GED) or other High School Equivalency (HSE) tests. The skills mastered will apply to entry-level college preparation and for the workplace.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.

3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Non-Credit Basic Academic Skills Requirements - Complete 140.00 Hours

Code	Title	Hours/ Units
Complete 2 courses (140 hours)		
CSKL 731	Basic Academic Skills & GED Prep - Lang Arts/Soc Studies I	
CSKL 732	Basic Academic Skills & GED Prep - Lang Arts/Soc Studies II	
CSKL 741	Basic Academic Skills & GED Prep - Math/Science 1	
CSKL 733	Basic Academic Skills and GED Preparation III	

Program Student Learning Outcomes

1. Solve multi-step numerical and word math problems ranging from basic operations through beginning concepts in geometry and algebra;
2. Identify and summarize the main ideas and important details in short (1-2 page) reading selections, including fiction, essays, newspaper articles, material from textbooks, and informational websites;
3. Prepare for and write a clear and coherent 1-2 page essay that addresses a given topic;
4. Proofread for and apply basic rules of Edited American English, including capitalization, punctuation, sentence construction and grammar;
5. Develop the knowledge and skills to pass the Reasoning Through Language Arts, Social Studies, Math, and Science subtests of the General Education Development (GED) or other High School Equivalency (HSE) tests.
6. Demonstrate academic skills including the use of technology for success in academic environment.

Basic Arrhythmia Recognition (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Application of basic principles of cardiac anatomy and physiology to recognize basic heart arrhythmias. Designed for health and allied care personnel who assume responsibility for cardiac monitoring in the pre-hospital and hospital setting.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all

students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Basic Arrhythmia Recognition Course Requirements - Complete 2.00 Units

Code	Title	Hours/ Units
EMC 114	Basic Arrhythmia Recognition Course	2

Program Student Learning Outcomes

1. Identify a normal electrocardiogram; and
2. Identify common abnormal cardiac rhythms.

Basic Police Officer Academy (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Basic Police Officer Academy Certificate of Achievement provides all academic and physical skill training and assessment required by the State of California Commission on Peace Officer Standards and Training. It is required training for anyone serving as a peace officer in the state of California. The program provides the opportunity to observe, develop and employ the behavior traits of a professional peace officer in a controlled setting. The Academy is a 20-week intensive program.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Basic Police Officer Academy Core Requirements - Complete 22.50 Units

Code	Title	Hours/ Units
AJ 223	Basic Police Academy	0.25-22
AJ 380.1	Officer Training Skills and Topics - 1 Day	0.25

Program Student Learning Outcomes

1. Identify, define and demonstrate basic tasks of peace officers;
2. Identify, classify, and apply appropriate provisions of federal and state law related to peace officers;
3. Perform and document complete preliminary investigations assigned to peace officers; and
4. Demonstrate the physical skills needed to perform the tasks of a peace officer in the areas of driving, shooting, defensive tactics, and first aid.

Business:Account Clerk/Payroll (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Account Clerk and Payroll Certificate of Achievement prepares the student as an entry-level accounts payable/accounts receivable clerk, with responsibilities including data entry. The curriculum includes basic accounting concepts, records management, spreadsheets, specialized payroll accounting, and reporting procedures, and other entry-level skills.

Payroll is a specialized area of accounting with complicated federal and state government reporting and legal requirements. Employment opportunities exist in various business and government sectors, payroll service companies, and accounting firms. The payroll assistant generally reports to the payroll supervisor or accountant and will be involved in activities such as time tracking, record keeping, balancing payroll accounts, and tax returns. Account Clerks perform tasks such as recording daily transactions in journals, posting figures into ledgers, handling payments and receipts, and computing payrolls. It requires skill in the operation of 10-key calculators, computers, and other office equipment. Programs encompass the integration of 21st Century workforce skills emphasizing communication, teamwork, project management, and problem-solving.

Students desiring more advanced skills may wish to pursue the Bookkeeping Certificate of Achievement. Completion of the Business: Account Clerk and Payroll Skills Certificate fulfills a portion of the Bookkeeper Certificate of Achievement program. The employment outlook is very good. With additional training, individuals can progress to bookkeeper, accountant, and CPA (Certified Public Accountant).

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Payroll/Account Clerk Requirements - Complete 16.00 Units

Code	Title	Hours/ Units
BBK 50	Computerized Bookkeeping and Accounting 1	3
BBK 52.1	Payroll Record Keeping and Reporting	3
BBK 53.1	QuickBooks Level 1	1.5
BGN 81	Practical Business Math Skills	3
BGN 201	Basic Keyboarding	0.5
CS 60.1A	Microsoft Word, Part 1	1.5
CS 61.1A	Microsoft Excel, Part 1	1.5
Select any combination totaling at least 2.00 units from the following:		2
BAD 52	Human Relations in Organizations	
BGN 110	Introduction to the Administrative Professional	
BGN 112	Marketing Your Skills	
CS 63.1A	Microsoft Access, Part 1	
CS 167.1	Microsoft Outlook	
HR 62	Human Resource Records	
HR 64	Human Resource Compensation Administration	
HR 65	Human Resource Benefits Administration	
Total Hours/Units		**16**

Program Student Learning Outcomes

1. Analyze, categorize, calculate, record and report selected financial information and commonly used financial statements and related reports, using generally accepted accounting principles (GAAP);
2. Analyze, categorize, calculate, record and report basic advanced payroll information including payment of wages along with associated payroll tax liabilities; for both and state tax entities;
3. Calculate, analyze, and interpret a variety of mathematical business problems, comparisons, and elementary statistics;
4. Demonstrate effective oral and written communication skills to record and report various Human Resource, Payroll benefit, and financial information and job seeking skills;
5. Use a computer to tabulate, calculate, record, organize and report financial information.

Business: Accountant Assistant (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Accountant Assistant Certificate of Achievement program is designed for students who are currently employed in accounting to enhance existing skills, and for those students who wish to enter the field of accounting without a four-year degree.

Students in the Business: Accountant Assistant Certificate of Achievement program complete courses in financial accounting, managerial/cost accounting, fund accounting, and taxation. The accounting classes in the certificate program meet the state's requirement for taking the CPA exam when the student already has a baccalaureate degree. The remaining required courses not offered in our certificate program but required by the California State Board of Accountancy may be completed at a four-year institution.

The Business: Accountant Assistant Certificate of Achievement prepares students for positions such as staff accountant, accounting clerk, accounts payable clerk, accounts receivable clerk, cost accounting clerk, fixed asset clerk, junior accountant, data processing clerk, bookkeeper, office manager, tax clerk, and payroll clerk. For students planning on government service, it is recommended to complete the fund accounting class. Students who want to work in private industry or sit for the CPA exam are advised to complete cost accounting.

Accounting is essential to all business and government organizations. With the increasing complexity of both business and government, many opportunities are available in the accounting field. Demand for professionals at all levels in the accounting field remains strong and is projected to continue due to a shortage of employees. Demand is especially strong for individuals with good computer application skills, such as Excel, Access, Word, PowerPoint, QuickBooks, and general ledger software. Students are also encouraged to build proficiency in keyboarding and 10-key calculators by touch.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Business: Accountant Assistant Requirements - complete 17.00 units

Code	Title	Hours/ Units
BAD 1	Financial Accounting	4
BAD 2	Managerial Accounting	4
BAD 53	Introduction to Solving Business Problems With Spreadsheets	1.5
BAD 55	Intermediate Accounting	3
Select any combination totaling at least 4.50 units from the following:		4.5
BAD 57	Cost Accounting	
BAD 59	Federal Income Tax Law	
BAD 120	Ethics in Accounting	
BAD 156	Fund Accounting	
BBK 53.1	QuickBooks Level 1	
BBK 53.2	QuickBooks Level 2	
Total Hours/Units		**17**

Program Student Learning Outcomes

1. Complete the steps in the accounting cycle and know generally accepted accounting principles that determine how transactions are recorded and reported;
2. Analyze, record, summarize, and report the effects of transactions in financial, managerial and tax reports and interpret the accounting information for internal or external decision making purposes;
3. Complete and use managerial and cost accounting documents and reports to plan, evaluate, and control the operations of a company and interpret those reports for management;
4. Prepare personal tax returns demonstrating knowledge of tax rules, tax research sources, and tax forms;

5. Complete professional assignments using computer technology in such applications as word, excel, power point, general ledger software and tax preparation software; and
6. Demonstrate critical thinking skills, analytical ability, interpersonal and collaborative skills, and the ability to write business reports.

Business: Banking and Lending (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Banking and Lending Certificate of Achievement qualifies students for employment as Loan Processor, Loan Analyst, Credit Analyst, Loan Underwriter, Commercial Servicing Specialist, Commercial Operations Specialist, and related occupations in both the consumer and commercial banking and lending fields. The certificate also serves as a pathway to employment as a loan officer, with additional education/training and work experience.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Business: Banking and Lending - Complete 22.50 Units

Code	Title	Hours/ Units
BGN 155	Introduction to Banking	3
BGN 156	Credit and Lending Analysis	3
BAD 53	Introduction to Solving Business Problems With Spreadsheets	1.5
BGN 81	Practical Business Math Skills	3
Select any combination totaling at least 3.00 units from the following:		3
BAD 52	Human Relations in Organizations	
BGN 111	Soft Skills for Business	
Select any combination totaling at least 3.00 units from the following:		3
BGN 71	Business English Grammar	
ENGL 1000	(ENGL C1000) Academic Reading and Writing	
Select any combination totaling at least 3.00 units from the following:		3
BAD 1	Financial Accounting	
BMG 55	Fundamentals of Financial Analysis	
Select any combination totaling at least 3.00 units from the following:		3
BAD 10	American Business in Its Global Context	
BAD 18	The Legal Environment of Business	
RE 50	Real Estate Principles	
RE 53	Residential Real Estate Appraisal	
WEOC 99	Occupational Work Experience	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**22.5**

Program Student Learning Outcomes

1. Process and analyze complex financial statements, tax schedules, and related loan documents; analyze and project cash flows, calculate common financial, debt to income, and loan-to-value ratios in order to make well-informed lending recommendations.
2. Analyze customers' credit worthiness; explain and interpret FICO scores and credit reports from major credit reporting bureaus.
3. Explain common bank/lending institution business services and operations, including consumer and commercial lending procedures.

4. Explain and ensure compliance with complex banking and SBA lending regulations, "Banker's Alphabet" and other fair lending laws, and ethics of banking.
5. Exhibit excellent soft skills including verbal and written communication, customer service skills, effective team work, effective time management, and ability to work under strict deadlines.

Business: Bookkeeper (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Bookkeeper Certificate of Achievement prepares the student as an entry-level bookkeeper working with the accountant in summarizing financial data and preparing financial statements. Students are trained to be members of an organization's team with the ability to exercise initiative and judgment, train co-workers, use technology, and assume responsibility without direct supervision.

This program includes an optional work experience and internship course, which provides an opportunity for the students to receive college credit towards graduation based on skills and experience gained through any entry-level accounting position that they secured. The internship coordinator and career counselors can assist students in finding an opportunity and will help guide them toward employment resources, such as designing a resume, discussing job leads, and going on the SRJC Job Board.

Bookkeeping is the day-to-day recording of business activity which involves financial changes in the organization. The occupation involves such tasks as recording daily transactions in journals, posting figures into ledgers, handling payments and receipts, and computing payrolls. Bookkeeping requires skill in the operation of 10-key calculators, computers, and other office equipment, together with an understanding of office routine and techniques. The program encompasses the integration of 21st Century workforce skills emphasizing communication, teamwork, project management, and problem-solving.

Employers generally report that it is moderately difficult to find inexperienced but qualified applicants, and very difficult to find qualified applicants with prior experience. This indicates a good outlook for job seekers without prior experience and a very good outlook for those who are fully experienced.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Bookkeeper Requirements - Complete 24.50 Units

Code	Title	Hours/ Units
BBK 50	Computerized Bookkeeping and Accounting 1	3
BBK 52.1	Payroll Record Keeping and Reporting	3
BBK 53.1	QuickBooks Level 1	1.5
BBK 53.2	QuickBooks Level 2	1.5
BGN 81	Practical Business Math Skills	3
BGN 201	Basic Keyboarding	0.5
CS 60.1A	Microsoft Word, Part 1	1.5
CS 61.1A	Microsoft Excel, Part 1	1.5
CS 61.1B	Microsoft Excel, Part 2	1.5
Select any combination totaling at least 3.00 units from the following:		3
BAD 1	Financial Accounting	
BBK 51	Computerized Bookkeeping and Accounting 2	
Select any combination totaling at least 1.50 units from the following:		1.5
HR 62	Human Resource Records	

HR 64	Human Resource Compensation Administration	
HR 65	Human Resource Benefits Administration	
Select any combination totaling at least 3.00 units from the following:		3
BAD 52	Human Relations in Organizations	
BGN 110	Introduction to the Administrative Professional	
BGN 112	Marketing Your Skills	
BBK 99I	Bookkeeper Internship	
CS 63.1A	Microsoft Access, Part 1	
CS 167.1	Microsoft Outlook	
Total Hours/Units		**24.5**

Program Student Learning Outcomes

1. Analyze, categorize, calculate, record and report detailed financial information and commonly used financial statements and related reports, using generally accepted accounting principles (GAAP);
2. Analyze, categorize, calculate, record and report detailed payroll information including payment of wages along with associated payroll taxes and other liabilities;
3. Calculate, analyze and interpret a variety of mathematical business problems, ratios, comparisons, elementary statistics, and trends;
4. Demonstrate effective oral and written communication skills to report financial information and job seeking skills;
5. Use a computer to tabulate, calculate, record, organize and report financial information; and

Business: Enrolled Agent (Tax) (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Enrolled Agent (Tax) Certificate of Achievement is designed to provide students with a solid base of knowledge and skills to allow them to work in the field of taxation. The classes are tailored to meet the exam requirements to be licensed as an Enrolled Agent. In addition to the specific knowledge and skills needed to understand and apply the tax code to different entities, students will also gain an understanding about the responsibilities of an Enrolled Agent.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Business: Enrolled Agent Tax Requirements - Complete 12.00 Units

Code	Title	Hours/ Units
BAD 101	Enrolled Agent – Individual Taxation	3
BAD 102	Enrolled Agent - Business Taxation	3
BAD 103	Enrolled Agent - Tax Representations, Practices & Procedures	3
BAD 104	Enrolled Agent – Current Applications and IRS Requirements	3
Total Hours/Units		**12**

Program Student Learning Outcomes

1. Prepare tax returns for individuals, businesses and partnerships.
2. Apply IRS (Internal Revenue Service) code to determine income, expenses and other credits/deductions.
3. Implement the filing requirements, and documentation needed by the IRS for different entities.
4. Utilize the proper authority, responsibility and due diligence of an Enrolled Agent.

Business: Entrepreneurship (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Entrepreneurship Certificate of Achievement is designed to provide students of any discipline with the tools and skills required to organize and plan their own business launch.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Certificate Requirements

Code	Title	Hours/ Units
Business: Entrepreneurship Program Requirements		
BMK 50	Marketing	3
ESHP 106	Venture Launch	3
ESHP 101	Innovation	3
Business: Entrepreneurship Program Course Electives		
Select any combination totaling at least 3.00 units from the following:		3
BAD 81	Artificial Intelligence in Business	
ESHP 115	Financial Basics and Cash Flow	
ESHP 116	Ethics, Responsibility, and Sustainability	
ESHP 117	Communications for Start-Ups	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**12**

Program Student Learning Outcomes

1. Design, test, and assess business models for exploiting a new business opportunity, financial management or to change and grow an existing business.
2. Demonstrate a working knowledge of socially responsible and sustainable business practices.
3. Acquire tools for assessing product and market fit including understanding target markets and market segmentation, brand building, and performing effective industry and competitive analyses.

Business: Human Resources (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Within every organization, at least one employee is responsible for the Human Resources activities. The Human Resource Administration Certificate of Achievement program of study provides students with the opportunity to gain skills that can be applied to any organization. These involve compliance with employment law when maintaining personnel files, tracking employee leaves, administering employee benefits, administering and regulating salaries, and maintaining payroll. Students learn how to handle confidential information and sensitive situations.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Business: Human Resource Administration Requirements - Complete 26.50 Units

Code	Title	Hours/ Units
BAD 52	Human Relations in Organizations	3
BMG 53	Oral Communication in Organizations	3
HR 60	Human Resource Management	3
HR 61	Human Resource Employment Law	1.5
HR 62	Human Resource Records	1
HR 63	Human Resource Hiring Process	1
HR 64	Human Resource Compensation Administration	1
HR 65	Human Resource Benefits Administration	1.5
HR 66	Human Resources Administration Current Applications	1
CS 61.1A	Microsoft Excel, Part 1	1.5
CS 61.1B	Microsoft Excel, Part 2	1.5
Select any combination totaling at least 3.00 units from the following:		3
BAD 1	Financial Accounting	
BBK 50	Computerized Bookkeeping and Accounting 1	
BBK 52.1	Payroll Record Keeping and Reporting	
BGN 112	Marketing Your Skills	
BMG 55	Fundamentals of Financial Analysis	
PSYC 34	The Psychology of Prejudice and Discrimination	
WEE 99I	Internship Work Experience Education	
Select any combination totaling at least 4.50 units from the following:		4.5
BGN 71	Business English Grammar	
BGN 100	Professional Business Writing	
BMG 52	Business Communication	
ENGL 1000	(ENGL C1000) Academic Reading and Writing	
Total Hours/Units		**26.5**

Program Requirements Notes

HR 66 Human Resources Administration Current Applications must be the final course taken in the sequence for this program.

Notes

HR 60 Human Resource Management is the orientation course for this program.

Program Student Learning Outcomes

1. Interpret and apply employment laws in a variety of complex human resource situations;
2. Demonstrate competency in specific human resource administrative responsibilities in the areas of hiring, salary administration, benefits administration, and records administration;
3. Apply necessary skills required for managing the complex human interactions and communications that take place in organizations; and
4. Demonstrate an understanding of the strategic role of human resource management in a modern organizational setting; and
5. Demonstrate the technical skills needed in the human resources field.

Business: Management (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business Management Certificate of Achievement is designed for students who are or will be working in a supervisory capacity. The coursework provides students with a broad foundation of information related to current supervisory issues, as well as the ability to practice

with "hands-on" experiences. Students learn how to deal with employee issues in topics such as human resource management, mediation of conflict, and interviewing. Students learn to work with peers, through such classes as Effective Decision-Making, Managing Workgroups, and Managerial Leadership. Having completed the coursework, students are prepared for a range of issues dealing with managing people and building teams within an organization.

Possible job titles include: Retail Store Manager, Restaurant Manager, and Manufacturing Supervisor.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Business Management Certificate Requirements - Complete 12.00 Units

Code	Title	Hours/ Units
BMG 50	Introduction to Management and Supervision	3
BMG 52	Business Communication	3
BMG 53	Oral Communication in Organizations	3
Select any combination totaling at least 3.00 units from the following:		3
BGN 100	Professional Business Writing	
BMG 55	Fundamentals of Financial Analysis	
BMG 61	Skills for Managers	
BMG 62.1	One-on-One Management Communication	
BMG 62.4	Managing Workgroups	
BMG 63.1	Motivation and Empowerment	
BMG 63.4	Managerial Leadership	
BMG 66.1	Effective Decision-Making	
BMG 66.4	Project Management	
BMG 67.4	Conflict Management	
ESHP 115	Financial Basics and Cash Flow	
Total Hours/Units		**12**

Program Student Learning Outcomes

1. Apply necessary skills required for managing the complex human interactions and employee performance issues required of supervisors and managers;
2. Demonstrate analytical, quantitative, and decision-making skills necessary to manage a complex organizational setting;
3. Demonstrate communication and presentation skills, both in written and oral formats, required of supervisors and managers; and
4. Recognize and apply appropriate management and leadership principles needed to efficiently and effectively meet objectives in a diverse and fast-changing organizational setting.

Business: Marketing (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Business: Marketing Certificate of Achievement prepares students to get an internship or entry level marketing position with a local business or non-profit, prepare for further marketing studies at a four-year college, improve marketing skills in their current job, or successfully market their own business.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Business: Marketing Requirements - Complete 12.00 Units

Code	Title	Hours/ Units
BMK 50	Marketing	3
BMK 57	Introduction to Public Relations	1.5
BMK 59	Consumer Behavior	1.5
BMK 155	Digital Marketing Tools	1.5
Complete any combination totaling at least 4.50 units from the following:		4.5
ART 82	Beginning Digital Photography	
BAD 53	Introduction to Solving Business Problems With Spreadsheets	
BMK 51	High Tech Selling and Pursuing a Sales Career	
BMK 54	Advertising, Branding, & Digital Marketing	
COMM 2	Introduction to Performance as Communication	
FMA 4	Introduction to Mass Communication	
FMA 18	Audio for Film Production	
FMA 20	Introduction to Digital Filmmaking	
JOUR 1	Introduction to Journalism	
Total Hours/Units		**12**

Notes

Upon completion of the Marketing Certificate, students are encouraged to seek out internships through SRJC's Work Experience department (https://careerhub.santarosa.edu/work-experience).

Program Student Learning Outcomes

1. Design and develop a strategic marketing plan that can be used to launch a new business, enter new markets, or grow an existing business or nonprofit;
2. Understand how to use a broad range of marketing tactics to build and promote a successful business or nonprofit;
3. Relate current trends, buying behaviors, and social responsibility to effective market planning functions within an organization. And
4. Demonstrate specific marketable skills such as advertising campaign development, basic graphic design competency, or spreadsheet usage that will enhance business success and employment opportunities.

Business: Real Estate (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Real Estate Certificate of Achievement offers those interested in the field of real estate the opportunity to complete the necessary education requirements as defined by the California Department of Real Estate. The series of courses satisfies the educational requirements for obtaining and maintaining the State Real Estate Broker and Salesperson Licenses.

An internship is also available to qualified students, which offers a "hands on" look at the real estate office while providing college units through Work Experience.

The growth-rate for this occupation is projected to be on a par with all other occupations. Job prospects for agents are expected to improve through increased residential sales and income-investment properties, especially apartment houses, single to four-unit dwellings, and commercial buildings.

Real Estate Agents are usually paid on a straight commission basis determined by agreement between the broker and the agent. Earnings will vary widely among agents because of the geographic area in which they work and the amount of time and energy put into the job.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Business: Real Estate Core Requirements - Complete 18.00 Units

Code	Title	Hours/ Units
Select any combination totaling at least 18.00 units from the following:		18
RE 50	Real Estate Principles	
RE 51	Real Estate Practice	
RE 52	Real Estate Finance	
RE 53	Residential Real Estate Appraisal	
RE 54	Commercial Real Estate Appraisal	
RE 55	Legal Aspects of Real Estate	
RE 56	Real Estate Economics	
RE 57	Property Management in California	
RE 58	Real Estate Escrow	
RE 59	Advanced Residential Appraisal	
RE 61	Computer Applications in Real Estate	
RE 62	Advanced Real Estate Finance	
Total Hours/Units		**18**

Notes

The educational requirements for the Broker's License will be fulfilled by completing the 18 units of core requirements plus 6 units from:

Code	Title	Hours/ Units
BAD 1	Financial Accounting	4
BAD 18	The Legal Environment of Business	3
BBK 50	Computerized Bookkeeping and Accounting 1	3
RE 58	Real Estate Escrow	3
RE 54	Commercial Real Estate Appraisal	3
RE 57	Property Management in California	3

The educational requirements for the Appraiser's License will be fulfilled by completing the 18 units of core requirements plus 6 units from the Required Electives including RE 54.

RE 50 Real Estate Principles must be completed or in progress to apply for examination, and must be completed prior to applying for a license.

RE 51 Real Estate Practice must be completed prior to applying for a license or within 18 months of license issuance.

Program Student Learning Outcomes

1. Apply an in-depth knowledge of California Real estate principles and laws to successfully complete licensure requirements for licensee and broker;
2. Satisfy Department of Real Estate and Office of Real Estate Appraisers educational requirements for state licensing;
3. Apply necessary skills required for marketing and negotiating real estate transaction;
4. Demonstrate the ability to communicate effectively and ethically with the principals involved in a real property transaction; and
5. Interpret and apply California real estate laws to a variety of real property transactions.

Business: Real Estate Sales (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Business: Real Estate Sales Skills Certificate is an academic and vocational program and provides a gateway for all students seeking a career in the real estate and related professions. The curriculum provides viewpoints and knowledge from an everyday perspective by instructors actively employed in the real estate industry.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Real Estate Sales Requirements - Complete 9.00 Units

Code	Title	Hours/ Units
RE 50	Real Estate Principles	3
RE 51	Real Estate Practice	3
Select any combination totaling at least 3.00 units from the following:		3
RE 52	Real Estate Finance	
RE 53	Residential Real Estate Appraisal	
RE 54	Commercial Real Estate Appraisal	
RE 55	Legal Aspects of Real Estate	
RE 56	Real Estate Economics	
RE 57	Property Management in California	
RE 58	Real Estate Escrow	
RE 61	Computer Applications in Real Estate	
RE 62	Advanced Real Estate Finance	
BAD 1	Financial Accounting	
BAD 18	The Legal Environment of Business	
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Distinguish, group and justify the different forms of property estates
2. Arrange and assess equal housing opportunities.
3. Examine and integrate current economic conditions into the availability of credit.
4. Distinguish and group the approaches to real property.
5. Examine principles of supply and demand in the real estate market.

CA: Baking and Pastry (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Culinary Arts Baking and Pastry Certificate of Achievement is an intensive program designed for those interested in professional baking. It includes comprehensive study with an emphasis on application of fundamental baking techniques and ingredients. Students learn introductory baking skills and then move on to production baking in SRJC's retail bakery at the Culinary Arts Center. Graduates are prepared for entry level employment as bread bakers, pastry cooks, cake decorators, or confectioners. Course study includes bread work, cakes, pastries and desserts, chocolate, confection, custards and frozen desserts. Instruction is also provided in bakeshop management and retail bakery operations.

Pastry chefs work in shops that bake products that are sold on the premises to local customers. They prepare baked goods, such as breads, cakes, sweet rolls, pies, and cookies. Pastry chefs employed in most of the smaller (less than 20 employees) retail bakeries engage in many different types of baking activities. Pastry chefs may also develop their own recipes or procedures to make different types of breads and pastries.

Cake decorators as well as bread bakers are considered artisans by many in the industry. Employment as a baker or pastry chef can also be found in grocery stores and restaurants.

Employers generally report that it is moderately difficult to find inexperienced but qualified applicants, and very difficult to find qualified applicants with prior experience. This indicates a good outlook for job seekers without prior experience, and a very good outlook for those who are fully experienced.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Culinary Arts Baking and Pastry Requirements - Complete 19.00 Units

Code	Title	Hours/ Units
CUL 230	Introduction to Culinary Arts	1.5
CUL 251A	Culinary Fundamentals 1	3
CUL 254	Introduction to Baking and Pastry	3.5
CUL 254.4	Purchasing and Bakeshop Management	1
CUL 254.5	Professional Plate Presentation	1
CUL 255	Production Baking	4
CUL 255.1	Specialty Production Baking	4
CUL 255.2	Careers in the Food and Beverage Industry	1
Total Hours/Units		**19**

Notes

A certificate will be granted upon completion of the required courses with a grade of "C" or better.

Before enrolling, please contact **Department Chair Shelly Kaldunski** (skaldunski@santarosa.edu) to help with scheduling decisions (classes are in eight week blocks).

Program Student Learning Outcomes

1. Define and use the basic terminology and techniques of the professional baker and pastry chef;
2. Demonstrate proficiency in advanced techniques for specific baking pastry applications;
3. Demonstrate the importance of local and seasonal products in professional baking;
4. Demonstrate station organization, purchasing, storage, menu writing, and sanitation principles as they apply to food handling;
5. Demonstrate responsibility and team skills for the food service industry;
6. Determine and appraise career opportunities within the baking industry;
7. Critique, assess, and improve performance, listening and communication skills; and
8. Employ the diversity of cultural influences and values related to a professional culinary environment.

CA: Culinary Arts (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Culinary Arts Certificate of Achievement is designed to train individuals in all aspects of the culinary arts field. Successful students will be prepared to work as cooks in a wide range of food service settings, such as restaurants, hotels, catering operations, and institutional kitchens. Training options also prepare students to transfer to a professional chef program or four-year university. Students are instructed in the preparation of stocks, soups, sauces, side dishes, garde manger,

entrees, breads, pastries, and desserts. While working in the Culinary Cafe, students rotate through kitchen stations to gain the proficiency required to perform at a professional level in a commercial kitchen.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Culinary Arts Certificate Requirements - Complete 22.50 Units

Code	Title	Hours/ Units
CUL 230	Introduction to Culinary Arts	1.5
CUL 251A	Culinary Fundamentals 1	3
CUL 251B	Culinary Fundamentals 2	3
CUL 251C	Culinary Fundamentals 3	1.5
CUL 253.8	Restaurant Kitchen	4
CUL 254	Introduction to Baking and Pastry	3.5
CUL 254.5	Professional Plate Presentation	1
CUL 255.2	Careers in the Food and Beverage Industry	1
CUL 258.1	Restaurant Dining Room Service	3
CUL 258.2	Restaurant Wine Service	1
Total Hours/Units		**22.5**

Notes

A certificate will be granted upon completion of the required courses with a grade of "C" or better.

Before enrolling, please contact **Department Chair Shelly Kaldunski** (skaldunski@santarosa.edu) to help with scheduling decisions (classes are in eight week blocks).

Program Student Learning Outcomes

1. Demonstrate station organization, purchasing, storage, menu writing, and sanitation principles as they apply to food handling;
2. Define and use the basic terminology and techniques of the culinary professional;
3. Demonstrate skill and apply professional industry standards in food handling, beverage service, baking, and food service;
4. Demonstrate the importance of local and seasonal products in professional cooking;
5. Demonstrate responsibility and team skills for the food service industry;
6. Determine and appraise career opportunities within the food industry;
7. Critique, assess, and improve performance, listening and communication skills; and
8. Employ the diversity of cultural influences and values related to a professional culinary environment.

CA: Restaurant Operations (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Culinary Arts: Restaurant Operations Certificate of Achievement program is designed to train individuals in all aspects of restaurant management. Successful students will be prepared to work in a variety of managerial roles in restaurants, hotels, catering companies and other similar food service businesses.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Culinary Arts: Restaurant Management Requirements - Complete 16.50 Units

Code	Title	Hours/ Units
CUL 230	Introduction to Culinary Arts	1.5
CUL 255.2	Careers in the Food and Beverage Industry	1
CUL 258.1	Restaurant Dining Room Service	3
CUL 258.4	Introduction to Front House Operations	1
CUL 258.6	Restaurant Operations	3
CUL 258.3	Wine and Food Pairing	1.5
CUL 258.2	Restaurant Wine Service	1
Select any combination totaling at least 4.50 units from the following:		4.5
BGN 81	Practical Business Math Skills	
BMG 61	Skills for Managers	
CUL 99I	Culinary Arts Internship	
CUL 251A	Culinary Fundamentals 1	
CUL 254	Introduction to Baking and Pastry	
CUL 254.4	Purchasing and Bakeshop Management	
HOSP 53	Customer Service	
HOSP 54	Customer Relations for the Hospitality Industry	
SPAN 1	Elementary Spanish-Part 1	
Total Hours/Units		**16.5**

Notes

If CUL 99I Culinary Arts Internship **is selected as an elective, it should be completed for 1 unit.**

Before enrolling, please contact **Department Chair Shelly Kaldunski** (skaldunski@santarosa.edu) to help with scheduling decisions (classes are in eight week blocks).

Program Student Learning Outcomes

1. Employ proper restaurant operations procedures to ensure compliance with safety and sanitation regulations;
2. Use basic math skills to accomplish cash management, labor, and food and beverage costing;
3. Develop employee professionalism in a restaurant setting;
4. Implement industry-standard human resource practices conforming to federal and state wage and labor laws;
5. Employ industry standards relating to service, sales, and alcoholic beverage service;
6. Apply human resource principles to manage a restaurant staff; and
7. Employ the diversity of cultural influences and values related to a professional culinary environment.

Cal-GETC GE Pattern (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The California General Education Transfer Curriculum (Cal-GETC) Certificate of Achievement is designed for students planning to transfer to either the California State University (CSU) or University of California (UC) system. It offers students a program of study which meets Cal-GETC general education transfer requirements. Although the certificate recognizes the completion of Cal-GETC general education requirements, it does not guarantee admission to a specific campus within the CSU or UC system nor does it guarantee admission to a specific major. Some majors and colleges may require a different lower division preparation and/or a higher GPA than is necessary for this certificate. Students are strongly advised to meet with a counselor (https://counseling.santarosa.edu/) to discuss transfer requirements and lower division major preparation that is needed for their intended transfer school.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

General Education: Option C Requirements - Complete 34.00 Units

See 2026-2027 Cal-GETC General Education Worksheet for program requirements (https://articulation.santarosa.edu/sites/articulation.santarosa.edu/files/documents/Cal-GETC_Certification_Form%20SRJC%2006.15.26.pdf)

Program Student Learning Outcomes

1. Communicate effectively, both verbally and in writing.
2. Critically analyze and solve problems.
3. Organize and present information in a logical and understandable manner.

Certified Nurse Assistant (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Certified Nurse Assistant Skills Certificate provides over 223 hours of lecture, skills lab, and clinical practice, and prepares students for work in skilled nursing facilities or residences. The program duration is 10 weeks, 3-4 days per week. Clinical hours are held in a skilled nursing facility. The program prepares students to take the competency examination for the Nurse Assistant certificate issued by the California State Department of Health Services.
Nurse Assistants, as important members of the health care team, assist the nurse with the care of the patient in skilled nursing facilities or hospitals. They perform such duties as changing bed linen, dressing, grooming, bathing, assisting in and out of bed, taking vital signs and feeding patients.
Employment opportunities are available in skilled nursing and personal care facilities, hospitals, and residential care agencies. Many individuals find jobs through temporary staffing agencies and home health care services. The job outlook is very good for this field. Individuals interested in career advancement may pursue further study to become licensed vocational nurses, and then registered nurses.
Licensure Note:
The California State Department of Health Services has specific legal requirements governing the certification of Nurse Assistants. Criminal background screening must be completed and the student cleared of criminal convictions before he/she can be competency tested or certified by the State of California. All students starting the program must be fingerprinted.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Certified Nurse Assistant Requirements - Complete 6.00 Units

Code	Title	Hours/ Units
NRA 150A	Certified Nurse Assistant	6

Program Student Learning Outcomes

1. Meet State of California criteria for eligibility to take CNA Certification Examinations.
2. Demonstrate knowledge, skills and abilities required for an entry-level CNA.

Child Dev: Assoc Teacher (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Child Development: Associate Teacher Skills Certificate meets requirements for the Associate Teacher level of the Child Development Permit issued by the State of California Commission on Teacher Preparation. This certificate program represents the first rung of a career ladder. Students completing this certificate program may continue with the Child Development Teacher Certificate to enhance their employment opportunities. Students frequently find jobs in both publicly funded and private centers for early care and education.

Job titles include Teacher Aide, Assistant Child Care Worker, Associate Preschool Teacher.

Employers generally report that it is very difficult to find applicants who meet their hiring standards. This indicates a very good outlook for qualified job seekers.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Child Development: Associate Teacher Requirements - Complete 12.00 Units

Code	Title	Hours/ Units
CHLD 51	Principles and Practices of Early Childhood Education	3
CHLD 90.4	Introduction to Curriculum	3
CHLD 90.1	Child, Family, Community Interrelationships	3
Select any combination totaling at least 3.00 units from the following:		3
CHLD 10	Child Growth and Development	
CHLD 110.1	Developmental Trends of Children Under 3	
CHLD 110.2	Developmental Trends in the Child Age 3-5 Years	
Total Hours/Units		**12**

Notes

A grade of "C" or better is required for all certificate courses.

Program Student Learning Outcomes

1. Demonstrate an understanding of the needs, characteristics, and multiple influences on the development of children;
2. Describe the components of high quality care and education programs;
3. Evaluate play based environments and design activities that support positive, developmentally appropriate learning outcomes for all young children;
4. Identify effective guidance and interaction strategies that support all children's social learning, identity, and self-esteem;
5. Describe strategies that promote constructive relationships between programs, teachers, families, and their communities; and
6. Demonstrate familiarity with the ethical standards and professional behaviors that deepen understanding, knowledge, and commitment to the early childhood care and education profession.

Child Development: Teacher (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Child Development: Teacher Certificate of Achievement meets course requirements for the Child Development Teacher Permit issued by the State of California Commission on Teacher Preparation. These permits are required to work in a state-subsidized child development program.

Since this program is part of a career ladder, students who have completed the Child Development Associate Teacher Skills Certificate will have fulfilled 12 units of this Child Development Teacher Certificate of Achievement.

Job titles include Instructional Aide, Teacher Assistant, Student Teacher, Teacher.

Employers generally report that it is moderately difficult to find applicants who meet their hiring standards. This indicates a good outlook for qualified job seekers.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Certificate Requirements

Code	Title	Hours/ Units
Child Development: Teacher Requirements		
CHLD 51	Principles and Practices of Early Childhood Education	3

CHLD 66	Early Childhood Care and Education Practicum	4
CHLD 68	Working With Children and Families in a Diverse Society	3
CHLD 90.1	Child, Family, Community Interrelationships	3
CHLD 90.2	Observation and Assessment of Young Children	3
CHLD 90.3	Health, Safety and Nutrition for the Young Child	3
CHLD 90.4	Introduction to Curriculum	3
Select any combination totaling at least 3.00 units from the following:		3
CHLD 10	Child Growth and Development	
CHLD 110.1	Developmental Trends of Children Under 3	
CHLD 110.2	Developmental Trends in the Child Age 3-5 Years	
Child Development Electives		
Select any combination totaling at least 3.00 units from the following:		3
CHLD 53A	Introduction to Children with Special Needs	
CHLD 53B	Supporting Children w/ Special Needs in Early Childhood Prgm	
CHLD 54	Play in Early Childhood	
CHLD 55.2	Exploring Science and Math with Young Children	
CHLD 55.5	Foundations of Language and Literacy	
CHLD 55.6	Art for the Young Child	
CHLD 55.7	Music and Movement for Children	
CHLD 79.1	Administration of Early Childhood Education Programs	
CHLD 79.2	Leadership & Personnel Skills for Early Child. Administrator	
CHLD 79.4	Adult Supervision and Mentoring	
CHLD 82	Family Engagement in Early Care & Education	
CHLD 95	Developing Social Competence in the Early Childhood Years	
CHLD 96	Working Through Stress and Loss With Children and Families	
CHLD 111A	Care and Education of Child-–Birth to 3 Years	
CHLD 183	Screen Media and Child Development	
CHLD 185.1	Creative Indoor Environments for Young Children	
CHLD 185.2	Creative Outdoor Environments for Young Children	
CHLD 186	Spanish Language Arts for Young Children	
CHLD 220	Effective Guidance and Discipline	
Total Hours/Units		**28**

Notes

CHLD 90.4 Introduction to Curriculum has a prerequisite of either CHLD 10 Child Growth and Development, CHLD 110.1 Developmental Trends of Children Under 3, or CHLD 110.2 Developmental Trends in the Child Age 3-5 Years.

A grade of "C" or better is required for all certificate courses.

Program Student Learning Outcomes

1. Integrate an understanding of the potential, the characteristics, and the multiple influences on the development of children into the delivery of high quality care and education programs;
2. Design, implement and evaluate play based environments and activities that support developmentally appropriate learning outcome for all young children;
3. Apply effective guidance and interaction strategies that support all children's social learning, identity and self-esteem;
4. Develop strategies that promote relationships between programs, teachers, families and their communities; and
5. Demonstrate ethical standards and professional behaviors that reflect understanding, knowledge and a commitment to the field of early childhood education and care.

Civil Engineering Technology (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Civil Engineering Technology Program Certificate of Achievement *"Your Career by Design!"*
The Civil Engineering Technology program prepares students for variety of technical positions in the civil engineering and engineering construction professions. The program recommended course sequence is set up to allow the student to progress through four semesters and achieve an Associate's Degree or Certificate of Achievement.

A career in Civil Engineering?
In general, people who like civil engineering also like math—primarily geometry and trigonometry. The field attracts people with geology, surveying, computer science, and construction backgrounds, too. Civil engineering curriculum includes courses in algebra, geometry, trigonometry, computer-aided drafting (CAD), surveying, geospatial technology (GIS), geology and problem solving.

What is Civil Engineering?
Civil engineering is the oldest, largest and most diverse disciplines of the engineering profession. The civil engineering technician will help plan, design, build, develop, and maintain public works facilities, subdivisions, urban and regional planning projects, land developments, land and geographical information systems, transportation systems, water distribution systems, waste treatment facilities and many other types of civil engineering projects.

What do Civil Engineering Technicians do?
The technician may be involved in civil engineering design, soil and materials testing, construction inspection, estimating, scheduling, data and information systems, plan checking, planning, environmental and geotechnical work.

Today's Technology
The civil engineering technician will use state of the art equipment and applications of high technology to translate the ideas and directions of the engineer, planner and surveyor into meaningful information used by industry.

A successful civil engineering technician should possess good communication skills, mechanical and computational aptitude, the ability to work in different environments, and a desire to answer tomorrow's challenges.

Career Options
Civil engineering is a career field in high demand throughout industry, government and the private sector. As a land surveyor you will provide services for planned communities, schools, shopping centers, highway projects and more.

The Bureau of Labor Statistics expects job opportunities in the surveying field to grow steadily through 2014, and the areas of urban planning, architecture, construction, and disaster and emergency planning will be particularly strong.

The following are examples of career paths for the Civil Engineering Technology Certificate or Major (AS). Note that some positions require licensing or certification by the state, not just a degree or certificate of achievement.

Civil Engineering Career Ladder

- Principal Civil Engineer (Owner or Principal in company, Professional Engineer License)
- Associate Civil Engineer (Supervisor, PE License)
- Assistant Civil Engineer (Lead Person, Engineer-in-Training (EIT) Certificate)
- Civil Engineering Technician I, II, III (Certificate of Achievement from SRJC and experience)
- Civil Engineering Aide (Part time employees without certificate)

Engineering Construction Career Ladder

- General Manager
- Project Manager/Administrator
- Estimator

Public Works Career Ladder

- Resident Engineer (Similar to Civil Engineering ladder)
- Public Works Inspector (Similar classifications as Civil Engineering ladder)
- Soils and Materials Technician (Similar classifications as Civil Engineering ladder)

Urban Planning Career Ladder

- Principal Planner
- Associate Planner
- Assistant Planner
- Planning Technician
- Plan Check Technician

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Civil Engineering Technology Core Requirements - Complete 25.00 Units

Code	Title	Hours/ Units
APTE 191	Problem Solving in Civil Engineering Technology	3
CEST 51	Civil Drafting Technology	3
CEST 63	Subdivision Planning	3
CEST 64	Public Works Inspection and Testing	3
CEST 65	Public Works Plans and Estimating	3
CEST 85	CADD for Civil, Surveying and Land Development	3
CEST 192	Non-Technical Skills for the Civil Engineering Technician	3
GIS 40	Introduction to Geographic Information Systems (GIS)	4
Total Hours/Units		**25**

Notes

It is recommended that students who have not had high school courses in mathematics through plane geometry and second-year algebra/trig take the Math placement test **self-assessment** and consider enrolling in an appropriate course, **prior** to enrolling in certificate program courses. Those students are also encouraged to contact the CESGT Program Coordinator to discuss their concerns.

As the CESGT Program is rigorous and extremely computer and technology-intensive, for students with limited computer literacy, CS 5 is recommended. Please contact the program coordinator or a counselor for more information.

Program Student Learning Outcomes

1. Define and describe civil engineering terminology, methods, procedures, standards and technology;
2. Perform mathematical, computer and statistical computations related to location, elevation, grade, distance, direction, area, volume and properties of civil engineering materials;
3. Communicate clearly and effectively in oral, written and graphic formats;
4. Prepare basic civil engineering documents and drawings using computer-aided drafting and geographic information systems technology;
5. Research, file, retrieve, analyze, locate and prepare basic drawings, maps, documents, records, reports and correspondence related to civil engineering projects;
6. Demonstrate basic analytical, critical thinking and decision-making skills in civil engineering, land surveying and development; and
7. Describe the influence/effect civil engineering, land surveying and development has on the local, regional, national and global communities.

Commercial Music (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The purpose of the Commercial Music Certificate of Achievement, (formerly Audio Production for Digital Media), is to provide students with an overview of MIDI sequencing, sound synthesis, audio recording, digital and analog audio technology, live sound, electronic music production, basic music theory, sound design for multimedia applications including video games (for educational and/or entertainment purposes), and delivery of audio content over radio, television, and the Internet. Graduates are prepared for entry-level positions in professional audio production including audio engineering, sound design, audio-for-video post-production, broadcasting, and CD/DVD mastering.

Career Options

Audio production technicians use hardware and software to create, record, store, and edit musical and non-musical sounds. The development of multimedia and the Internet have created a variety of occupations built around the development and use of platform-specific tools for both linear and non-linear digital audio production.

Potential Careers:

- Sound Designer
- Audio Engineer
- Record Producer
- Post-Production Mixer/Editor
- Sound Effects/Dialog Editor

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Commercial Music Requirements - Complete 17.00 Units

Code	Title	Hours/ Units
MUSC 50	Introduction to Music Technology	3
Select any combination totaling at least 12.00 units from the following:		12
For Recording students, take these 4 courses:		
MUSC 51	Electronic Music	
MUSC 52	Intro To Sound for Video Games and Media	
MUSC 60A	Intro to Studio Recording	
MUSC 60B	Advanced Recording, Mixing and Mastering	
For Music Industry students, take these 4 courses:		
MUSC 60A	Intro to Studio Recording	
MUSC 60B	Advanced Recording, Mixing and Mastering	
MUSC 70A	Music Industry 1: Fundamentals	
MUSC 70B	Music Industry 2: Marketing & Distribution	
For Songwriter students, take these 4 courses:		
ENGL 4A	Beginning Creative Writing	
MUSC 2A	Music Theory 1	
MUSC 51	Electronic Music	
MUSC 55	Songwriting	
Select any combination totaling at least 2.00 units from the following:		2
MUSC 1	Music Fundamentals	
MUSP 11A	Class Piano 1	
MUSP 19A	Beginning Guitar	
MUSC 51	Electronic Music	
MUSC 52	Intro To Sound for Video Games and Media	
Total Hours/Units		**17**

Notes

Courses may appear in more than one Major area. Courses within the major may be used only once to satisfy major requirements.

Program Student Learning Outcomes

1. Demonstrate technical proficiency with a Digital Audio Workstation (DAW).
2. Create digital audio recordings and master them for distribution.
3. Design audio for video, computer games, and other multimedia applications.
4. Produce and write commercial songs.

Constructn Managmnt Fundamntls (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students will gain fundamental knowledge and practical experience with construction management skills, tools, and techniques necessary to be employed in an entry-level construction management position at a local residential or light-commercial construction industry firm. Light-commercial construction involves non-residential buildings constructed of light gauge metal framing or wood.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Construction Management Fundamentals - Complete 18.00 Units

Code	Title	Hours/ Units
CONS 101	Introduction to the Construction Industry	3
CONS 102	Construction Practice and Technologies	3
CONS 103	Construction Materials, Methods and Equipment	3
CONS 104	Construction Management and Scheduling	3
CONS 105	Construction Contract Documents	3
CONS 106	Construction Estimating and Bidding	3
Total Hours/Units		**18**

Program Student Learning Outcomes

1. Understand the skills and knowledge required for entry-level positions in construction management.
2. Identify safety-related issues that occur on a construction jobsite and explain safe use of equipment, techniques, and materials usage.
3. Describe various construction phases and detailed construction processes for a typical residential or light-commercial project.
4. Perform basic and accurate quantitative construction material quantity surveys (take-offs) from construction drawings.
5. Explain the relationship between different professionals or agencies involved in a construction project.
6. Utilize, write, or modify construction documents or forms such as contracts, specifications, Requests For Information (RFI), and change orders.
7. Prepare preliminary cost estimates and project construction schedules for residential and light-commercial construction projects.

Corrections Officer Core (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Corrections Officer Basic Course program is a Skills Certificate mandated by the State of California and is designed to train the officer in legal and moral issues to ensure the safe, secure and humane environment for those persons who have been legally incarcerated in a jail facility. The certification provided by this program is required by the California State Board of Corrections/ Standards and Training for Corrections. This course exceeds the minimum requirements for entry-level training of adult corrections staff as mandated by Standards & Training for Corrections. Certification is required for Corrections Officers within ninety days of hire. In addition to earning this certificate, completers may need additional qualifying experience and/or to meet specific hiring agency requirements before obtaining employment in this occupational field. Contact the Public Safety Department for more information.

Students in the program will learn numerous skills in supervision, leadership, verbal communication, medical issues and defensive tactics. The field of corrections has been targeted as one of the growth areas for employment.

Certification Note:
Some public safety positions have legal requirements and background qualifications. Certain criminal violations may disqualify a candidate for certification.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Corrections Officer Basic Course Requirements - Complete 4.50 Units

Code	Title	Hours/ Units
AJ 364	Adult Corrections Officer	4.5

Program Student Learning Outcomes

1. Student will be able to identify and demonstrate major tasks and responsibilities of an adult corrections officer in detention facilities in the State of California as defined in the periodic statewide job analysis; and
2. Student will identify and describe the overall mission of the adult corrections officer and its place in the California criminal justice system as established in state law.

CS Adobe Apps Specialist (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Adobe Applications Specialist Certificate of Achievement provides an overview of Adobe's professional level graphics and page-layout programs, Photoshop, Illustrator, and InDesign. This certificate will support individuals applying for new jobs as well as those currently employed.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adobe Applications Specialist Requirements - Complete 15.00 Units

Code	Title	Hours/ Units
CS 70.1	Photoshop 1: Fundamental Skills	3
CS 71.11	Adobe Illustrator 1	3
CS 72.1A	Adobe InDesign 1	3
Select any combination totaling at least 6.00 units from the following:		6
CS 70.2	Photoshop 2: Incredible Images	
CS 72.1B	Adobe InDesign 2	
GD 53	Design Techniques with Illustrator	
Total Hours/Units		**15**

Program Student Learning Outcomes

1. Demonstrate proficiency in image editing skills using Photoshop;
2. Demonstrate proficiency in vector skills using Illustrator;
3. Demonstrate proficiency in desktop publishing skills using InDesign; and
4. Use critical thinking skills to formulate, apply and integrate assets in a workflow environment for PDF, screen or web using Adobe Creative Suite software.

CS Adobe Illustrator Cert (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Adobe Certification Training in Illustrator Skills Certificate provides instruction in the vector graphic program, Illustrator. This program of study helps prepare the student for the Adobe Illustrator

ACE industry exam, and will enhance the student's value in the job market. The skills are applicable to occupations involving printed and web media.

Illustrator is the most widely used graphics program to create vector graphics for packaging and design for both print and the web. This program is widely used by graphic artists, illustrators, web designers and desktop publishers.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adobe Certification Training in Illustrator Requirements - Complete 6.00 Units

Code	Title	Hours/ Units
CS 71.11	Adobe Illustrator 1	3
GD 53	Design Techniques with Illustrator	3
Total Hours/Units		**6**

Program Student Learning Outcomes

1. Create a variety of documents that exhibit the full gamut of Illustrator skills from beginning to advanced levels;
2. Use critical thinking skills to formulate, apply and integrate assets in transferring Illustrator documents into print, PDF, or web environments; and
3. Demonstrate knowledge necessary to complete the studies for the Adobe certified expert industry exam in Adobe Illustrator.

CS Adobe InDesign Cert (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Adobe Certification Training in InDesign Skills Certificate provides a course of study that will prepare the computer user to master skills needed to prepare desktop publishing projects using InDesign. Students will also be prepared to pass the Adobe InDesign industry certification test. Successful completion of the test will indicate a particular depth and breadth of desktop publishing skills and will enhance the recipient's value in the job market.

InDesign is one of the most widely used Desktop Publishing programs used by graphic designers, publishers and companies for production of catalogs, brochures, newsletters and other printed materials. The ability to use InDesign will greatly enhance a student's ability to find employment in public relations, communications, graphic design, and printing occupations.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or

3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Adobe Certification Training in InDesign Requirements - Complete 7.00 Units

Code	Title	Hours/ Units
CS 72.1A	Adobe InDesign 1	3
CS 72.1B	Adobe InDesign 2	4
Total Hours/Units		**7**

Program Student Learning Outcomes

1. Create a variety of desktop publishing documents that exhibit the full feature set of InDesign skills from beginning to advanced levels;
2. Demonstrate the knowledge necessary to complete the studies for the Adobe Certified Expert industry exam in Adobe InDesign;
3. Use critical thinking skills to design a multi-document workflow environment for print;
4. Use critical thinking skills to formulate, apply, and integrate assets in a workflow environment for PDF, screen or web using Adobe Creative Suite software; and
5. Use current technology to develop a collaborative work environment, share files, manage developmental versions, set up review cycles and interact in real-time virtual meetings.

CS Adobe Photoshop Entry (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Adobe Photoshop Entry Level Skills Certificate provides an entry level course of study in Adobe Photoshop. This course of study helps prepare the student to take the Adobe Certified Associate (ACA) industry-standard exam in Adobe Photoshop.

A Photoshop ACA has earned a certification that validates entry-level skills in visual communication, for careers including, but not limited to, marketing, Web development, photography, digital media, and graphic design. It indicates an intermediate level of depth and breadth of Photoshop knowledge and experience and enhances the recipients' value in the job market.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.

2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Computer Studies: Adobe Photoshop Entry Level - Complete 6.00 Units

Code	Title	Hours/ Units
CS 70.1	Photoshop 1: Fundamental Skills	3
CS 70.2	Photoshop 2: Incredible Images	3
Total Hours/Units		**6**

Program Student Learning Outcomes

1. Utilize intermediate-level features of Adobe Photoshop, including the correct usage of layer, vector, and clipping masks;
2. Create and edit complex digital images using basic through intermediate Photoshop features;
3. Use critical thinking skills to evaluate an image, develop a strategy to repair and/or enhance it, and make the appropriate adjustments;
4. Demonstrate the knowledge necessary to pass the Adobe Certified Associate exam;
5. Perform the Photoshop skills essential to an entry-level position in photography, digital art, desktop publishing, or Web page design.

CS Adv Virtual Production RVPA (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Advanced Virtual Production Certificate of Achievement, presented in collaboration with the Regional Virtual Production Academy (RPVA), is designed to equip students with the essential skills for pursuing entry-level careers in virtual production. Within this program, students will focus on a specific segment of the production pipeline and apply a comprehensive set of skills encompassing film production, computer graphics, visual effects, and game engines within real-time processes. Students are afforded the flexibility to choose courses from participating colleges in order to fulfill the requirements for this certificate. Completion of Virtual Production Fundamental Certificate is recommended for the Advanced Virtual Production Certificate of Achievement or have prior learning/experience.

The Advanced Virtual Production Certificate of Achievement is an RVPA program where some courses are available at SRJC or through one or more of the other five participating colleges. For those courses that are not offered at SRJC, visit https://cs.santarosa.edu/vp to view alternative offerings both in-person and remote.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Advanced Virtual Production (RVPA) Certificate - Complete 27.50 Units

Code	Title	Hours/ Units
CS 77.12	Virtual Production 2 (RVPA)	3
CS 42	Introduction to Game Coding	4

CS 81.41	Programming Essentials in Python for Networking	3
GD 60	Creating the Professional Portfolio	1.5
Select 16-17 units from one (1) of the Elective Specialization Groups below:		16
Elective Specialization Group: Modeling		
APTE 63	3D Animation: Modeling and Rigging	
APTE 70	Intermediate 3D Modeling and Animation (RVPA)	
APTE 71	Intermediate 3D Rigging (RVPA)	
APTE 72	Intermediate Textures for 3D (RVPA)	
APTE 73	Intermediate Digital Sculpting (RVPA)	
Elective Specialization Group: Film Production		
FMA 21	Intermediate Digital Filmmaking	
FMA 55	Cinematography and Visual Storytelling (RVPA)	
FMA 19	Multi-Camera Studio Production	
CS 74.33	Introduction to Motion Graphics (RVPA)	
CS 74.22	Digital Video Post-Production	
Elective Specialization Group: Animation		
CS 75.12	Introduction to Digital 2D Animation (RVPA)	
APTE 64	3D Animation: Character Animation	
APTE 74	Performance Animation (RVPA)	
CS 74.33	Introduction to Motion Graphics (RVPA)	
APTE 75	3D Layout and Lighting (RVPA)	
Total Hours/Units		**27.5**

Program Student Learning Outcomes

1. Evaluate and apply toolsets virtual production specializations
2. Create a portfolio demonstrating knowledge of real-time production
3. Demonstrate enhanced collaborative skills and the ability to engage in effective teamwork in a production environment

CS Applied Drone Operation (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Drone Studies: Applied Drone Operation Certificate is designed to give students a well-rounded education on drone usage, along with an introduction to one of the many fields in which drones are playing a larger part.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Drone Studies: Applied Drone Operation - Complete 9.00 Units

Code	Title	Hours/ Units
CS 76.11	Drone Piloting and Imaging	3
CS 176.2	Applied Drone Projects	3
Select any combination totaling at least 3.00 units from the following:		3
AJ 21	Introduction to Administration of Justice	
AGRI 20	Introduction to Plant Science	
ANTH 3	Introduction to Archaeology	
ART 82	Beginning Digital Photography	
BMK 50	Marketing	
CS 70.1	Photoshop 1: Fundamental Skills	
CS 74.22	Digital Video Post-Production	
ESHP 101	Innovation	
ESHP 106	Venture Launch	
ENVS 12	Introduction to Environmental Science	
FIRE 71	Fire Protection Organization	
GEOL 20	Natural Disasters	

GIS 40	Introduction to Geographic Information Systems (GIS)
HORT 184	Introduction to Arboriculture
JOUR 1	Introduction to Journalism
FMA 20	Introduction to Digital Filmmaking
SURV 60	Introduction to Plane Surveying
SUAG 5	Introduction to Sustainable Agriculture
Total Hours/Units	**9**

Program Student Learning Outcomes

1. Safely operate common Unmanned Aerial Systems (UAS) (drones).
2. Utilize drones to complete projects.
3. Understand how drones can be used in a workplace setting.
4. Apply sound project planning principles to drone-related projects.

CS Cisco CCNA Cert (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Cisco Networking Certification Training in CCNA Skills Certificate is a comprehensive e-learning program, which provides students with the Internet technology skills essential in a global economy. The program delivers Web-based content, online assessment, student performance tracking, hands-on labs, instructor training and support, and preparation for industry-standard certifications. Cisco Certified Network Associate (CCNA), a 280-hour curriculum, is the first step in a Cisco career certification path. Particular emphasis is given to using decision-making and problem-solving techniques in the application of science, mathematics, communication and social studies concepts to solve networking problems. Students will learn how to install and configure Cisco switches and routers in multiprotocol networks using local- and wide-area networks (LANs and WANs), provide Level 1 troubleshooting service, and improve network performance and security.

Network Administrators, consultants and help desk support personal, benefit from this series of classes. These jobs are proving to be more immune to overseas outsourcing than other IT professions and demand for proficient workers is fairly constant. Some students may complete these courses as a way to prepare for the CCNA exam, while others will enroll as an avenue for advancement in their current jobs.

See the Cisco Network Academy website for additional information about the types of courses taught at the SRJC Cisco Networking Academy.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Cisco Networking Requirements - Complete 12.00 Units

Code	Title	Hours/ Units
CS 82.2A	Introduction to Networks	4
CS 82.2B	Switching, Routing and Wireless Essentials	4
CS 82.2C	Enterprise Networking, Security, and Automation	4
Total Hours/Units		**12**

Program Student Learning Outcomes

1. Plan, design and install Ethernet Transmission Control Protocol/ Internet Protocol (TCP/IP) Networks at the entry-level-technician;
2. Analyze and improve computer network performance and security on routers and switches;
3. Operate and troubleshoot Ethernet TCP/IP Networks at the entry-level-technician; and

4. Demonstrate end-to-end protocol connectivity across a variety of Wide Area Network (WAN) and Local Area Network (LAN) protocol.

CS Cybersecurity (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Cybersecurity: Network and Systems Security Administration Certificate of Achievement provides a course of study that prepares students to implement and administer a secure Information Technology (IT) environment. As a significant upgrade to the traditional IT Administrator role, it is foundational to further study in the cybersecurity field. This certificate focuses on the requisite Knowledge, Skills, and Abilities (KSAs) to securely maintain Microsoft Systems and Cisco networks, including the ability to learn and manage other vendor platforms.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Computer Studies: Network and Systems Security Administration Requirements		
CS 81.41	Programming Essentials in Python for Networking	3
CS 82.2A	Introduction to Networks	4
CS 82.2B	Switching, Routing and Wireless Essentials	4
CS 82.2C	Enterprise Networking, Security, and Automation	4
CS 82.58	Introduction to Information Systems Security	3
CS 82.71	Ethical Hacking and Systems Defense	3
CS 84.26	Project Management for IT Professionals	3
CS 180.3	Introduction to Virtualization and Cloud Computing	3
CS 181.2	Linux Administration 1	3
CS 181.3	Linux Administration 2	3
Computer Studies: Network and Systems Security Administration Electives		
Select any combination totaling at Least 6.00 units from the following:		6
CS 50A	Web Development 1	
CS 55.13	Server-Side Web Development	
CS 81.62	Relational Database Concepts and Structured Query Language	
CS 82.57	Cybersecurity Operations	
CS 98	Independent Study in Computer Studies	
CS 8	Foundations of Data Science	
or MATH 8	Foundations of Data Science	
Total Hours/Units		**39**

Program Student Learning Outcomes

1. Demonstrate ability to work as a team member in an information technology group which designs, evaluates, tests, installs and maintains corporate computer systems and networks.
2. Communicate clearly and professionally as an Information Technology (IT) professional, in written and verbal formats.
3. Apply basic knowledge of secure computer networks and systems in assisting individuals and organizations with IT services and solutions.

CS Drone Certification (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Drone Studies: Commercial Drone Certification Skills Certificate teaches students what they need to know in order to become a commercial drone pilot. Topics include: drone flying techniques, drone safety, drone technology, privacy and ethical regulations, and topics included on the Federal Aviation Administration (FAA) Remote Pilot exam.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Drone Studies: Commercial Drone Certification - Complete 3.00 Units

Code	Title	Hours/ Units
CS 76.11	Drone Piloting and Imaging	3

Program Student Learning Outcomes

1. Safely operate common Unmanned Aerial Systems (UAS) (drones).
2. Capture still and video images from a UAS.
3. Prepare to take the Federal Aviation Administration (FAA) UAS commercial pilot license exam.
4. Understand the varied uses of unmanned vehicles in multiple disciplines and careers.

CS Game Development (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Game Development certificate of achievement provides a course of study that prepares students to design and program interactive computer games. This pathway leads to entrepreneurial opportunities for a self-made career in the video game industry. The Computer Studies: Game Development certificate focuses on the history of games, gameplay design, and game design and coding.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa

Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.

2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Computer Studies: Game Development Requirements - Complete 17.00 Units

Code	Title	Hours/ Units
CS 40	History of Games	3
CS 41	Game Design	4
CS 42	Introduction to Game Coding	4
GD 90	Designing the User Experience	3
Select any combination totaling at least 3.00 units from the following:		3
APTE 43	Computer Modeling and Animation	
CS 10A	Introduction to Programming Concepts and Methodologies	
CS 50A	Web Development 1	
CS 74.11	Introduction to Digital Media	
GD 51	Introduction to Graphic Design	
Total Hours/Units		**17**

Program Student Learning Outcomes

1. Apply systems-level thinking and abstraction in the context of interactive computational media.
2. Recognize and understand the social, legal, ethical, and cultural issues in the discipline of computer games.
3. Demonstrate knowledge of visual interaction design and artistic practices in domains involving playful interactions.
4. Demonstrate written and oral communication skills regarding technical and analytical consideration of computer games.
5. Design a technical system that achieves creative goals for audience experience in computational media.
6. Demonstrate the ability to collaboratively plan, organize, and execute complex, team-oriented projects, using appropriate communication and coordination techniques.

CS Graphic Design (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Graphic Design Certificate of Achievement is a two-year program designed to provide students with entry-level skills for business or industry in the field of graphic design, and is structured to provide a practical, hands-on experience in graphic fundamentals. The program addresses basic design principles, layout techniques, professional typographic treatments, computer applications, digital illustration, computer production techniques, offset printing requirements, and business practices. It provides the most current information, technology and equipment possible. Most of the instructors are practicing professionals in the field of graphic design. Students spend much of their time creating practical design pieces from initial sketches all the way through to final digital output that ultimately becomes an integral part of a professional student portfolio.

The graphics professional is a person who loves problem solving on a visual level. This individual enjoys collaborating with others to create effective communication pieces to address client marketing and advertising goals. The designer helps create identities, business systems, posters, flyers, brochures, book covers, advertisements, billboards, packages, magazines, newsletters, wine labels, web sites, compact disk packaging, etc. etc. Graphic design tends to be a fast-paced, deadline-driven profession that demands creativity, quick thinking, good organization, excellent technology skills and well developed visual as well as verbal communication skills.

The program is designed to address graphic design skill sets. In partnership with the Computer Studies application offerings, the Graphic Design students master the Adobe graphics standard computer application programs: Photoshop, Illustrator, and Indesign. The companion design, production and illustration classes operate in a workshop manner with lots of real world projects, feedback and group work as part of the curriculum. Additional coursework in business practices, and portfolio development helps to round out this very practical approach to instruction. Students will learn how to:

- develop strong, effective visual communication concepts
- communicate visually with hand-drawn sketches
- create simple graphic treatments using basic illustration techniques
- use the computer as a production and creativity tool
- create mock-ups of all types of graphic design using hand skills
- set-up computer files for off-set printing
- use typography effectively
- work with clients and printers

- set up a freelance studio and bid graphic design projects
- create a professional portfolio

The graphic designer has many employment opportunities in this exciting field including production artist, in-house graphic designer, free-lance designer, or computer illustrator. Many students in the program have jobs in the field before they graduate. We offer an intern program for qualified students to gain on-the-job experience with local businesses while acquiring new skills.

Students who complete the program work for a variety of businesses in the local community. Publishers hire them to do advertising design, production, PhotoShop work, layout, and design. Small businesses require data sheets, newsletters, websites, advertising and brochures. Graphic design studios need employees with strong computer backgrounds, good ideation techniques and precise mock-up skills. Many students graduate with the goal of owning their own free-lance businesses.

This certificate is the second step in a career ladder. Students who have already completed the Graphic Design Production Fundamentals Skills Certificate will have fulfilled a portion of the Graphic Design Certificate of Achievement. For students interested in an Associate degree, a Graphic Design major is available.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Graphic Design Certificate Requirements - Complete 31.50 Units

Code	Title	Hours/ Units
CS 70.1	Photoshop 1: Fundamental Skills	3
CS 71.11	Adobe Illustrator 1	3
CS 72.1A	Adobe InDesign 1	3
GD 15	History of Graphic Design	3
GD 20	Introduction to Typography and Letterforms	3
GD 51	Introduction to Graphic Design	3
GD 53	Design Techniques with Illustrator	3
GD 54	Principles of Layout and Design	3
GD 60	Creating the Professional Portfolio	1.5
GD 62	Color Theory for Designers	1.5
Select any combination totaling at least 4.50 units from the following:		4.5
BMK 51	High Tech Selling and Pursuing a Sales Career	
GD 65	Business Skills for Creatives	
GD 90	Designing the User Experience	
GD 145	Package Design	
Total Hours/Units		**31.5**

Program Student Learning Outcomes

1. Develop professional level communication visuals from initial concept all the way through printed materials using design principles, an understanding of graphic design history, typographic knowledge, hand mock-up and illustration skills, advanced computer skills using the Adobe Suite, and pre press knowledge;
2. Set-up and manage a one person freelance studio complying with governmental regulations, estimating projects, writing up proposals, negotiating with clients, keeping records, billing clients, and managing finances; and
3. Create and present a professional portfolio of at least fifteen finished projects to potential employers and clients using professional level interviewing skills and well designed collateral materials.

CS IT Support (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies:IT Support Certificate of Achievement is designed to allow a student to complete a certificate program and enter the workforce as an entry level help desk technician.

The Computer Studies: IT Support certification exposes students to skills and knowledge necessary to support end users who run Windows and the Microsoft Office applications. Of primary importance for the IT support technician is the development of Soft Skills. These interpersonal competencies are fostered to enable the IT Support technician to successfully communicate in both written and verbal forms as well as utilize techniques in conflict management.

IT support technicians will gain valuable experience in the CS 99I Computer Studies Occupational Work Experience Intern program. This experience provides the necessary hands on training and skill development for the professional IT Support technician.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

IT Support - Complete 16.00 Units

Code	Title	Hours/ Units
BGN 111	Soft Skills for Business	3
CS 80.15	IT Essentials 1: PC Hardware and Software	4
CS 84.13	IT Support	3
Select any combination totaling at least 3.00 units from the following:		3
CS 81.21	Introduction to Linux	
CS 181.2	Linux Administration 1	
Select any combination totaling at least 3.00 units from the following:		3
CS 10A	Introduction to Programming Concepts and Methodologies	
CS 81.41	Programming Essentials in Python for Networking	
CS 84.21	Management Information Systems	
Total Hours/Units		**16**

Notes

Certificate will be awarded upon fulfillment of all course requirements with a grade 'C' or better.

Program Student Learning Outcomes

1. Perform the duties of an entry level IT technician;
2. Perform basic hardware and software installations, upgrades and troubleshooting procedures for the components of desktop and laptop computers;
3. Evaluate basic troubleshooting techniques such as asking relevant questions, identifying possible solutions and planning implementation;
4. Use correct grammar, punctuation, spelling, and vocabulary as expected in business writing, formal reports, and marketing materials; and
5. Assess and recognize an audience in order to develop appropriate communications both orally and in writing that are sensitive to the audience's needs, values, and point of views.

CS Linux Administration (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Linux Administration (LPIC-1) skills certificate program is designed to provide students with the knowledge and skills they need to succeed in the rapidly growing field of Linux administration. This two-course program focuses on preparing students for the Linux Professional Institute's LPIC-1 certification exams (101 and 102), which are widely recognized as the industry standard for entry-level Linux administration professionals.

The first course, Linux Administration 1, covers the fundamental concepts and practices of Linux administration, including installation and configuration of systems, networking, and security. The second course, Linux Administration 2, builds on the skills learned in the first course and focuses on more advanced topics such as server management, scripting, and system administration.

Upon program completion, students will have a strong foundation in Linux administration and will be well-prepared to take the LPIC-1 certification exams. This certificate program is ideal for those who are looking to start a career in Linux administration, as well as for experienced professionals who want to expand their knowledge and expertise in this area.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Computer Studies: Linux Administration (LPIC-1) Requirements - Complete 6.00 Units

Code	Title	Hours/ Units
CS 181.2	Linux Administration 1	3
CS 181.3	Linux Administration 2	3
Total Hours/Units		**6**

Program Student Learning Outcomes

1. Demonstrate knowledge necessary to complete the studies for the Linux Professional Institute's LPIC-1 certification exams.
2. Ability to perform maintenance tasks on a Linux system using the command line to install and configure a computer running Linux.

CS Linux Essentials (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This one-course certificate program is designed to provide students with the essential skills needed to pass the Linux Professional Institute's (LPI) Linux Essentials certification exam. The LPI Linux Essentials certification is a globally recognized credential that demonstrates a student's understanding of the fundamental concepts of the Linux operating system and open source software.

Students will learn about the history and development of Linux, as well as the principles of open source software. They will also learn about the Linux command line, file system structure, and basic system administration tasks. Additionally, students will be introduced to key concepts such as security, networking, and system configuration.

Upon completion, students will have the knowledge and skills needed to take the LPI Linux Essentials certification exam. This certificate program is ideal for those interested in pursuing a career in IT or for those looking to expand their knowledge and skills in the use of Linux.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Computer Studies: Linux Essentials (LPI Linux Essentials) - Complete 3.00 Units

Code	Title	Hours/ Units
CS 81.21	Introduction to Linux	3

Program Student Learning Outcomes

1. Demonstrate knowledge necessary to complete the studies for the Linux Professional Institute (LPI) Linux Essentials industry certification exam.

CS Microsoft Excel (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Microsoft Excel Entry-Level Skills Certificate provides an entry-level course of study in Microsoft Excel. This course of study helps prepare the student to take the Microsoft Office Specialist (MOS) industry-standard exam in Microsoft Excel. A person who passes the Excel MOS exam has earned a certification that validates entry-level skills in creating and editing a workbook with multiple sheets for a variety of purposes and situations. Examples include professional-looking budgets, team performance charts, sales invoices, and exercise logs. Candidate roles might include students, clerical workers, bookkeepers, instructors, and others. This certificate stacks with the Computer Studies: Microsoft Office Specialist Certificate, which builds on this certificate to add more advanced Office skills.

More information about Computer Studies programs can be found at the Computer Studies Department website.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.

2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Computer Studies: Microsoft Excel Entry-Level Requirements - Complete 3.00 Units

Code	Title	Hours/ Units
CS 61.1A	Microsoft Excel, Part 1	1.5
CS 61.1B	Microsoft Excel, Part 2	1.5
Total Hours/Units		**3**

Program Student Learning Outcomes

1. Create, edit, and format Excel worksheets;
2. Organize multiple worksheets and workbooks;
3. Use advanced Excel tools such as macros and VBA, Solver, Scenarios, PivotTables and Pivot Charts.

CS Microsoft Word (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Microsoft Word Entry-Level Skills Certificate provides an entry-level course of study in Microsoft Word. This course of study helps prepare the student to take the Microsoft Office Specialist (MOS) industry-standard exam in Microsoft Word. A person who passes the Word MOS exam has earned a certification that validates entry-level skills in creating and editing word processing documents. Examples include professional-looking business documents and letters. Candidate roles might include students, clerical workers, writers, instructors, and others. This certificate stacks with the Computer Studies: Microsoft Office Specialist Certificate, which builds on this certificate to add more advanced Office skills.

For more information, see the Computer and Information Sciences website.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Computer Studies: Microsoft Word Entry-Level Requirements - Complete 3.00 Units

Code	Title	Hours/ Units
CS 60.1A	Microsoft Word, Part 1	1.5
CS 60.1B	Microsoft Word, Part 2	1.5
Total Hours/Units		**3**

Program Student Learning Outcomes

1. Create an array of business documents using MS Word.
2. Utilize a variety of word processing features and functions.
3. Compose documents with a quality acceptable to professional office standards.
4. Use advanced features of Microsoft Word to create long and complex documents.
5. Use advanced editing and formatting techniques.

CS NC Virtual Prod Fundamental (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The non-credit Virtual Production Fundamentals Certificate of Completion prepares students for entry-level careers in virtual production. Students will apply skills from film production, computer graphics, digital imaging, visual effects and game engines to the virtual production process. Courses in this program may also be offered through partnering colleges. For more information on this collaborative program at all six participating colleges, please visit https://cs.santarosa.edu/vp. As a non-credit offering mirrored with an existing for-credit pathway, this certificate will appeal to working professionals and others who do not seek college credit.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

CS NC Virtual Prod Fundamental - complete 428.75 hours

Code	Title	Hours/ Units
Complete 5 core courses (306.25 hours)		
CS 777.1	Introduction to Virtual Production	0
CS 742	Introduction to Game Coding	0
CS 770.1	Photoshop 1: Fundamental Skills	0
APTE 743	Computer Modeling and Animation	0
APTE 762	3D Animation: Visual Effects and Compositing	0
Complete 1 elective course (70 hours):		
JOUR 705	Non-Fiction Digital StoryTelling	0
or FMA 720	Introduction to Digital Filmmaking	
Complete 1 elective course (52.50 hours)		
CS 774.2	Digital Video Post-Production	0
or CS 774.1	Introduction to Digital Media	
or APTE 763	In this non-credit course, students will create digital characters and synthetic environments as use	
or CS 775.1	Introduction to Digital 2D Animation (RVPA)	
or CS 774.3	Introduction to Motion Graphics (RVPA)	

Program Student Learning Outcomes

1. Analyze, describe, and apply the fundamental technical requirements of the virtual production workflows.

2. Demonstrate proficiency with game engines, 3D animation, 3D graphics, 3D modeling and 3D rendering.
3. Employ creative, conceptual, and problem-solving skills including research, prototyping and previsualization techniques.
4. Demonstrate the ability to work on a production team and take responsibility for one's role.

CS Virtual Prod Fundamental (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Virtual Production Fundamentals Certificate of Achievement prepares students for entry-level careers in virtual production. Students will apply skills from film production, computer graphics, digital imaging, visual effects and game engines to the virtual production process. Courses in this program may also be offered through partnering colleges. For more information on this collaborative program at all six participating colleges, please visit https://cs.santarosa.edu/vp.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Virtual Production Fundamentals Core Courses		
CS 77.11	Introduction to Virtual Production	3
CS 42	Introduction to Game Coding	4
CS 70.1	Photoshop 1: Fundamental Skills	3
APTE 43	Computer Modeling and Animation	3
APTE 162	3D Animation: Visual Effects and Compositing	3
Select any combination totaling at least 4.00 units from the following:		4
JOUR 5	Non-Fiction Digital StoryTelling	
FMA 20	Introduction to Digital Filmmaking	
Virtual Production Fundamentals Elective Courses		
Select any combination totaling at least 3.00 units from the following:		3
CS 74.22	Digital Video Post-Production	
CS 74.11	Introduction to Digital Media	
CS 74.33	Introduction to Motion Graphics (RVPA)	
CS 75.12	Introduction to Digital 2D Animation (RVPA)	
APTE 63	3D Animation: Modeling and Rigging	
Total Hours/Units		**23**

Program Student Learning Outcomes

1. Analyze, describe, and apply the fundamental technology requirements of the virtual production workflow.
2. Demonstrate proficiency with film production and selected game engines, 3D computer graphics, and visual effects.
3. Demonstrate the ability to work on a production team and take responsibility for one's role.
4. Create a project using the virtual production process.

CS Web and Mobile Front-End (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Web and Mobile Front-End Developer Skills Certificate is designed to provide students with the skills needed to succeed in the field of website development. Web content developers may be employed as Website Designers/ Developers, Desktop Publishing Specialists, Desktop Publishers, or Graphic Designers. The training stresses usage of the web as a platform to deliver solutions to business problems. Students will gain an understanding of the relevant web technologies, the most common software and hardware products, the resources necessary to support a site, and the requirements of site maintenance. The curriculum covers Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), JavaScript, site maintenance, and problem-solving skills.

Web Fundamentals certification is based on a thorough knowledge and practical experience working on websites. Web developers are responsible for creating the majority of webpages that make up a website. The Web Developer is responsible for assembling and organizing site content, making the pages, loading them onto the web, and testing them on various browsers and hardware configurations. Depending on the project, a Web Developer may also be asked to edit the written content and make minor modifications to images.

The training provides a thorough understanding of HTML, CSS, JavaScript, and the web development cycle. The program stresses the practical application of web development skills in real life projects. Students are expected to work in teams to create websites for non-profit organizations in Sonoma County. The ability to work in a group, communicate with a client, resolve problems, meet deadlines, and understand the web development cycle are just as important as understanding web development tools or creating webpages. This hands-on approach ensures that as students complete the program, they will have practical experience, as well as working websites to feature in an electronic portfolio.

A successful Web Developer exhibits a strong work ethic, high standards standards, patience, strong people skills, and shows attention to detail.

Job titles include: Web Production Specialist, Web Developer, Internet Developer, JavaScript Coder, and HTML Developer.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Web Fundamentals Requirements - Complete 9.00 Units

Code	Title	Hours/ Units
CS 50A	Web Development 1	3
CS 50B	Web Development 2	3
CS 50C	Web Development 3 - JavaScript	3
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Develop a competency in specific web development skills in the area of coding, validation and user interface;
2. Apply the skills of effective communication, time management, problem solving, and client management as they plan and produce a web site; and
3. Evaluate the numerous tools available to create a web site and select the appropriate tools for the specific situation.

CS Web and Mobile Front-End NC (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Web and Mobile Front-End Developer Non-Credit Certificate of Completion is designed to provide students with the skills needed to succeed in the field of website development. Web content developers may be employed as Website Designers/ Developers, Desktop Publishing Specialists, Desktop Publishers, or Graphic Designers. The training stresses usage of the web as a platform to deliver solutions to business problems. Students will gain an understanding of the relevant web technologies, the most common software and hardware products, the resources necessary to support a site, and the requirements of site maintenance. The curriculum covers Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), JavaScript, site maintenance, and problem-solving skills.

Web Fundamentals certification is based on a thorough knowledge and practical experience working on websites. Web developers are responsible for creating the majority of webpages that make up a website. The Web Developer is responsible for assembling and organizing site content, making the pages, loading them onto the web, and testing them on various browsers and hardware configurations. Depending on the project, a Web Developer may also be asked to edit the written content and make minor modifications to images.

The training provides a thorough understanding of HTML, CSS, JavaScript, and the web development cycle. The program stresses the practical application of web development skills in real life projects. The ability to work in a group, communicate with a client, resolve problems, meet deadlines, and understand the web development cycle are just as important as understanding web development tools or creating webpages. This hands-on approach ensures that as students complete the program, they will have practical experience, as well as working websites to feature in an electronic portfolio. As a non-credit offering mirrored with an existing for-credit pathway, this certificate will appeal to working professionals and others who do not seek college credit.

A successful Web Developer exhibits a strong work ethic, high standards, patience, strong people skills, and shows attention to detail.

Job titles include: Web Production Specialist, Web Developer, Internet Developer, JavaScript Coder, and HTML Developer.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

CS Web and Mobile Front-End NC Requirement - complete 157.5 hours

Code	Title	Hours/ Units
Complete 3 courses (157.50 hours)		
CS 750A	Web Development 1	0
CS 750B	Web Development 2	0
CS 750C	Web Development 3 - JavaScript	0

Program Student Learning Outcomes

1. Develop competency in specific web development skills in the area of coding, validation and user interface;
2. Apply the skills of effective communication, time management, problem solving, and client management as they plan and produce a website; and
3. Evaluate the numerous tools available to create a website and select the appropriate tools for the specific situation

CS Web and Mobile Full-Stack (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Computer Studies: Web Full-Stack Developer certificate of achievement provides a course of study that prepares students to work on client and server-side web and mobile development. This pathway leads to opportunities for a career in web and mobile development. The Computer Studies: Web Full-Stack Developer certificate focuses on the core front-end web and mobile technologies of HTML, CSS, and JavaScript as well as server-side development using the PHP and JavaScript languages together with SQL and NoSQL databases.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Computer Studies: Web Full-Stack Developer - Complete 19.00 Units

Code	Title	Hours/ Units
CS 50A	Web Development 1	3
CS 50B	Web Development 2	3
CS 50C	Web Development 3 - JavaScript	3
CS 50.33	Web Projects	4
CS 55.13	Server-Side Web Development	3
Select any combination totaling at least 3.00 units from the following:		3
CS 10A	Introduction to Programming Concepts and Methodologies	
CS 74.11	Introduction to Digital Media	
CS 81.62	Relational Database Concepts and Structured Query Language	
GD 51	Introduction to Graphic Design	
Total Hours/Units		**19**

Notes

Because CS 55.13 Server-Side Web Development **is a limited course offering, it may be taken any time after the first semester of the program. Consult Schedule of Classes for current course offerings.**

Program Student Learning Outcomes

1. Work as an effective member of a web or mobile development team;
2. Use principles of software design to analyze programming problems and develop solutions;
3. Create and test web- and mobile-based computer programs that incorporate complex data structures and algorithms along with object-oriented programming methods; and
4. Produce an online, multi-screen web or mobile application with consistency throughout the design and implementation of the application.

CS Web and Multimedia (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Digital Media: Web and Multimedia Certificate of Achievement provides students with the knowledge and skills to generate and manipulate graphics, animations, sound, text and video into consolidated and seamless website and multimedia presentations.

Web and Multimedia Developers should have a good understanding of multimedia design principles including interface design, principles of interaction design, foundations of image, video, and audio content creation, color theory, and typography. Designers need to understand how to optimize media content in a variety of scenarios as well as knowledge of website development. The program stresses a thorough understanding

of HTML, CSS framework, 2-D Animation, JavaScript, video and audio editing and best practices. Students will design and deploy websites and multimedia content to meet the standards in the field and of clients from the community.

This program stresses the practical application of multimedia development skills in real life projects. Student projects focus on collaborative efforts to create content for non-profit organizations in Sonoma County. The ability to work in a group, communicate with a client, resolve problems, meet deadlines, and understand the content development cycle is just as important as understanding the software and programming aspects of multimedia. This hands-on approach ensures that as students complete the program, they will have practical experience, as well as finished multimedia projects to feature in an electronic portfolio.

A successful Web and Multimedia Developer exhibits strong work ethics, high standards, patience, strong people skills, and an attention to detail.

Job titles include: Web Multimedia Specialist, Interactive Designer, User-interface Designer, UIX Specialist, Multimedia Content Creator.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Certificate Requirements

Code	Title	Hours/ Units
Web Development Core Requirements		
CS 50A	Web Development 1	3
CS 50B	Web Development 2	3
CS 50C	Web Development 3 - JavaScript	3
Web and Multimedia Emphasis Requirements		
CS 50.33	Web Projects	4
CS 70.1	Photoshop 1: Fundamental Skills	3
Select any combination totaling at least 3.00 units from the following:		3
CS 74.11	Introduction to Digital Media	
CS 74.22	Digital Video Post-Production	
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Complete professional projects, products, and other assignments using industry-standard web and multimedia applications.
2. Demonstrate analytical, critical thinking and decision-making skills as they apply to web and multimedia design.
3. Understand, apply, and integrate knowledge of the principles and standards of web and digital media design and demonstrate this in professional projects and assignments that rely on best design practices, software, programming and markup language expertise.

Dance: Choreography and Perfor (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Dance: Choreography and Performance Skills Certificate will give the student dancer an opportunity to present validation of his or her time, effort, and talent in dance. The certificate encompasses teaching, performing, and the choice of a dance style.

Choreography and Performance is often the necessary foundation to succeed at higher levels of other dance styles. Dancers work on posture, placement, and general movement skills. These are performed at the barre, center floor and across the floor. Flexibility, strength, and balance are strived for in an environment requiring great discipline.

The student who receives the Dance: Choreography and Performance Skills Certificate will have a better opportunity to obtain employment at dance studios and recreational classes, or work as a choreographer with community or school plays.

More information about the Dance program can be found at the Dance page on the Athletics Department website.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Dance Core Requirements		
DANC 3.1	Choreography I	1.5
DANC 28	Choreography for Performance	2
DANC 29	Dance Performance and Touring Company	2
Dance Technique		
Select any combination totaling at least 9.00 units from the following:		9
DANC 11.3	Ballet III	
DANC 11.4	Ballet IV	
DANC 11.5	Ballet V	
DANC 11.6	Ballet VI	
DANC 13.3	Jazz Dance III	
DANC 13.4	Jazz Dance IV	
DANC 13.5	Jazz Dance V	
DANC 13.6	Jazz Dance VI	
DANC 16.3	Modern Dance III	
DANC 16.4	Modern Dance IV	
DANC 16.5	Modern Dance V	
DANC 16.6	Modern Dance VI	
DANC 21.3	Hip Hop/Funk III	
DANC 21.4	Hip Hop/Funk IV	
DANC 21.5	Hip Hop/Funk V	
DANC 21.6	Hip Hop/Funk VI	
DANC 47	Dances of the African Diaspora I	
Total Hours/Units		**14.5**

Notes

Please note under the Dance Core Requirements Students must take 4.5 units of elective courses outside of Certificate Emphasis, in this case any course other than DANC 11.4 Ballet IV, DANC 11.5 Ballet V and DANC 11.6 Ballet VI.

Program Student Learning Outcomes

1. Demonstrate proficiency in dance form, in both the performance and production aspects of dance;
2. Display the skills and techniques necessary for employment as instructors, choreographers, and/or performers; and
3. Apply the craft and aesthetic qualities of dance orally, practically, and in writing.

Dance: Foundations (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Dance: Foundations Skills Certificate will give the student dancer an opportunity to present validation of their time, effort, and talent in dance. This certificate encompasses learning, performing and excelling at the choice of a dance genre.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Dance: Foundations Requirements - Complete 14.00 Units

Code	Title	Hours/ Units
DANC 11.1	Ballet I	1.5
DANC 11.2	Ballet II	1.5
DANC 13.1	Jazz Dance I	1.5
DANC 13.2	Jazz Dance II	1.5
DANC 16.1	Modern Dance I	1.5
DANC 16.2	Modern Dance II	1.5
Select any combination totaling at least 5.00 units from the following:		5
DANC 2	Survey of Dance History	
DANC 14.1	Contemporary Dance I	
DANC 18.1	Rhythm Tap Dance I	
DANC 21.1	Hip Hop/Funk I	
DANC 27	Dance Production: Experience	
DANC 32	Dance Repertory	
DANC 35	Dance Improvisation Techniques	
DANC 47	Dances of the African Diaspora I	
DANC 88.1	Latin Dance I	
Total Hours/Units		**14**

Notes

Please note under the Dance Core Requirements Students must take 4.5 units of elective courses outside of Certificate Emphasis, in this case any course other than DANC 16.4 Modern Dance IV, DANC 16.5 Modern Dance V and DANC 16.6 Modern Dance VI.

Program Student Learning Outcomes

1. Demonstrate achievement in modern, jazz and ballet dance skills, in both the studio and production aspects of dance;
2. Display the skills and techniques necessary for employment as instructors, choreographers, and/or performers; and
3. Apply the craft and aesthetic qualities of dance orally, practically, and in writing.

Dental Assisting (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Dental Assisting Certificate of Achievement is a Year-to-Career program, approved by the Dental Board of California. The program provides a comprehensive education in the health sciences and in clinical dental assisting as preparation to enter the field. Clinical experience is arranged in various dental offices in Sonoma County. Students do not receive wages during their clinical training period.

Graduates of the program are eligible to take the Registered Dental Assisting Examination to become Registered Dental Assistants (RDA) in the State of California. Graduates receive a certificate in dental radiography, dental sealants, and 2 coronal polish certificates that is validated at the time of licensure as an RDA.

The increasing sophistication of dental treatment and infection control procedures is changing the role of the dental assistant. The position requires more technical knowledge and skill than ever before. Therefore, specialized training to the level of Registered Dental Assistant (RDA) is essential. Dental assisting requires both clinical and social skills. The RDA's primary responsibilities include, but are not limited to, patient preparation, sterilization of instruments, operatory care, instrument exchange, preparation of materials, radiography and patient education.

In addition to clinical responsibilities, those who prefer the business office can have administrative functions such as appointment control, records management and bookkeeping and insurance processing. The practicing dental assistant may be exposed to environmental hazards and infectious diseases including, but not limited to, Tuberculosis, Hepatitis B, Hepatitis C and HIV (AIDS). Dental assistants are obliged to provide patient care with compassion and respect for human dignity and the rights of privacy and confidentiality of patients with infectious diseases.

The RDA can find employment in private dental practice, specialty dentistry, hospitals, clinics, and dental schools. Career mobility includes opportunities in dentistry, dental office management, dental public health education, product sales, promotion, and teaching. Employment opportunities for graduates of community college Dental Assisting Programs are excellent and licensed RDA's are in great demand. Students interested in advancing in the field may wish to pursue further studies to become a dental hygienist. Licensure Note:
The Dental Board of California (DBC) may deny licensure for crimes substantially related to the practice of dental assisting. This includes convictions involving sex crimes, drug crimes (including DUI), and crimes of violence. It is the responsibility of the student to present sufficient evidence of rehabilitation prior to licensure.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Dental Assisting Requirements - Complete 28.00 Units

Code	Title	Hours/ Units
DA 50	Introduction to the Dental Assisting Profession	2
DA 60	Applied Dental Science	3
DA 62	Introduction to Dental Procedures	3
DA 63	Dental Specialties	3
DA 64	Advanced Dental Assisting	2
DA 65	Dental Science	3
DA 66.2	Clinical Seminar	1
DA 68	Clinical Practice and Seminar	6
DE 51	Occupational Health and Safety	2
DE 55A	Introduction to Dental Radiology	2
DE 55B	Dental Radiology	1
Total Hours/Units		**28**

Notes

The program advises that students take CS 5 Computer Literacy and HLC 160 Medical Terminology prior to entering the program.

Students must provide documentation of a recent health examination, immunization records, and copy of a current CPR card, including adult, child and infant. (American Heart Association or Red Cross)

All courses in the program must be completed with a "C" or better.

Program Student Learning Outcomes

1. Graduates of the dental assisting program will be able to make ethical decisions, and demonstrate problem solving abilities through independent and critical thinking; and
2. Graduate will be able to assist a dentist in all phases of diagnosis and treatment of patients, including restorative and cosmetic procedures, endodontic procedures, orthodontic, pediatric, and surgical procedures.

Dietary Manager (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Dietary Manager Certificate of Achievement prepares individuals to manage an efficient, safe and healthful food service program. Students acquire skills for supervising both food production and personnel in health care and other food service institutions. The program includes both classroom instruction and clinical rotations through local food service establishments. The Dietary Manager certificate is the minimal requirement of the California Department of Public Health for managing the food service department in a health care facility.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Dietary Service Supervisor Requirements - Complete 16.00 Units

Code	Title	Hours/ Units
DIET 50	Sanitation and Safety	2
DIET 52	Management Training Techniques	3
DIET 55	Food Production Management	2
FDNT 10	Elementary Nutrition	3
DIET 176	Applied Nutrition Therapy	3
DIET 176L	Applied Nutrition Therapy Lab	1
Select any combination totaling at least 1.00 unit from the following:		1
DIET 107	Dietetic Technician 1: Lecture	
DIET 107L	Dietetic Technician 1: Supervised Field Experience	
DIET 108	Dietetic Technician 2: Lecture	
DIET 108L	Dietetic Technician 2: Supervised Field Experience	
WEE 99I	Internship Work Experience Education	
Select any combination totaling at least 1.00 unit from the following:		1
DIET 70	Introduction to Nutrition, Dietetics and Food Service	
FDNT 70	Introduction to Nutrition, Dietetics and Food Service	
Total Hours/Units		**16**

Notes

Students must complete FDNT 10 Elementary Nutrition before enrolling in DIET 176 Applied Nutrition Therapy.
A certificate will be granted upon completion of the required courses with a grade of "C" or better.

Program Student Learning Outcomes

1. Communicate clearly and professionally as a Dietary Manager;
2. Interview clients to obtain relevant nutrition information, and follow diet orders to provide nutritious meals for a variety of clients and medical conditions;
3. Manage cost control, purchasing, inventory, meal production, employee scheduling and supervision of foodservice workers for safe and sanitary commercial food production; and
4. Use leadership skills to motivate foodservice employees to work as a team in an efficient and effective manner that meets or exceeds client expectations.

DM: 3D Modeling & Animation (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The 3D Modeling and Animation Certificate of Achievement provides fundamental skills for entry into a wide range of industries, including entertainment, architecture, electronic gaming, advertising, and educational media, as well as forensics and medical animation, and

3D simulations. This program also prepares students for advanced animation education through degree granting institutions and schools specializing in the film and broadcast fields.

Students will explore the principles of three-dimensional (3D) modeling, texturing, lighting and animating, as well as the application of particle systems and dynamics to produce a range of effects. Emphasis is placed on modeling, rigging and animating 3D characters, and upon creating sophisticated 3D scenes. Upon completion, students will have a comprehensive understanding of the basic practices of designing, building, and animating 3D environments, characters, and visual effects.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Digital Media: 3D Modeling & Animation Core Requirements - Complete 22.00 Units

Code	Title	Hours/ Units
APTE 43	Computer Modeling and Animation	3
APTE 162	3D Animation: Visual Effects and Compositing	3
APTE 63	3D Animation: Modeling and Rigging	4
APTE 64	3D Animation: Character Animation	4
APTE 168	3D Animation: Introduction to Virtual Reality	2
CS 74.11	Introduction to Digital Media	3
Select any combination totaling at least 3.00 units from the following:		3
APTE 46	Introduction to Computer-Aided Drafting	
ART 5	Three Dimensional Design	
ART 69	Introduction to Cartooning and Sequential Art	
CS 41	Game Design	
CS 42	Introduction to Game Coding	
CS 70.1	Photoshop 1: Fundamental Skills	
CS 74.22	Digital Video Post-Production	
CS 78.1A	Make It with 3D Printing	
FMA 20	Introduction to Digital Filmmaking	
FMA 22	Screenwriting	
THAR 10A	Introduction to Acting	
THAR 10B	Scene Study and Characterization	
Total Hours/Units		**22**

Program Student Learning Outcomes

1. Apply the basic practices of designing, building, and animating 3D environments, characters, and visual effects; and
2. Produce 3D animations consistent with industry requirements for entry level animators.

Educator Development (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Educator Development Certificate of Achievement is designed to support students as they begin to explore careers in Secondary Education as well as educators wishing to enhance their skills in their current positions. This certificate program includes curriculum development that addresses the needs of diverse student populations through subject- and grade-appropriate teaching strategies and curricular models that deepen student learning. Students in the program will inform their instructional practices through analysis and reflection to support their future students' developmental needs by designing and implementing formative and summative assessments to measure student learning. Students in the program will examine diverse instructional strategies, inclusive of technology, to meet the varying

abilities, learning styles, and cultural assets of all students to deepen student learning within a positive learning environment.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Educator Development - Complete 16.00 Units

Code	Title	Hours/ Units
EDU 65	Secondary Curriculum Development for Diverse Classrooms	4
EDU 66	Evaluation of Student Learning in a Diverse Classroom	4
EDU 67	Educational Technology for Classroom Teachers	4
EDU 331	Textbook Reading Strategies for Academic Success	2
EDU 332	Test-Taking Strategies	2
Total Hours/Units		**16**

Program Student Learning Outcomes

1. Demonstrate the ability to create curriculum that addresses the needs of diverse student populations through grade-appropriate teaching strategies and curricular models that deepen student learning; meet varying abilities and learning styles; and actively engage learners.
2. Implement diverse instructional strategies, inclusive of technology, to meet the varying abilities, learning styles, and cultural assets of all students to deepen student learning within a positive learning environment.
3. Inform their instructional practices through analysis and reflection to support students' developmental needs by designing and implementing formative, and summative assessments to measure student learning.

Electrical Union Apprentice (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

While completing the Electrical Union Apprenticeship Certificate of Achievement (Redwood Empire Joint Apprenticeship and Training Committee's Inside Wireman Program), apprentices are paid while they work and learn. Wages start at 40% of journeyman electrician's wages and increase 5% every six months or one thousand hours.

You can find more information about the application process, training, and career opportunities here:https://apprentice.rejatc.org/.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Electrical Union Apprenticeship - Complete 41.50 Units

Code	Title	Hours/ Units
APED 222.1	Apprentice Electricians, First Semester	4
APED 222.2	Apprentice Electricians, Second Semester	4
APED 222.3	Apprentice Electricians, Third Semester	4
APED 222.4	Apprentice Electricians, Fourth Semester	4
APED 222.5	Apprentice Electricians, Fifth Semester	4
APED 222.6	Apprentice Electricians, Sixth Semester	4
APED 222.7	Apprentice Electricians, Seventh Semester	4
APED 222.8	Apprentice Electricians, Eighth Semester	4
APED 222.9	Apprentice Electricians, Ninth Semester	4
APED 223.1	Apprentice Electricians, Tenth Semester	4
APED 321	Apprentice Electricians Mathematics Review	1
APED 223.2	California Advanced Lighting Controls Training Program	0.5
Total Hours/Units		**41.5**

Program Student Learning Outcomes

1. Apply mathematical operations and formulae to solve basic problems.
2. Interpret information and solve basic word problems.
3. Describe and demonstrate electrical principles and regulations related to General Electricians' trade.
4. Demonstrate knowledge of theory and regulations of General Electricians' trade.
5. Apply best practices in practical environment related to General Electricians' trade.
6. Identify lighting controls and how they function.
7. Describe how lighting controls are installed.

Electronic Technolgy Fundmntls (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Electronic Technology Fundamentals Skills Certificate offers students the basic foundation to perform the work of an electronic technician in both traditional engineering environments and service related environments. Electronic technicians lay out, build, test and modify electronic components, equipment, and systems such as computers, test equipment, and machine tool numerical controls, using principles of electronics, electrical circuitry, engineering, mathematics, and physics. An electronic technician often works under the direction of engineering staff. Non-traditional areas include such things as biomedical instrument repairs, alternative energy installation and repair, field service, and installations. Our courses prepare students to succeed in applying the fundamental principles and practices of electronic technology to a variety of job settings.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Electronic Technology Fundamentals Requirements - Complete 8.00 Units

Code	Title	Hours/ Units
ELEC 54A	Direct and Alternating Current Theory	3
ELEC 54B	Fundamentals of Electronic Devices	3
ELEC 64A	Electronic Construction 1	2
Total Hours/Units		**8**

Program Student Learning Outcomes

1. Perform measurements of voltage, current and resistance using laboratory test equipment;
2. Apply the principles of Direct and Alternating Current theory to electronic circuits;
3. Apply the Scientific Method to the investigation and evaluation of electronic circuits, and summarize the results in written technical format;
4. Analyze and test solid state devices and circuits;
5. Identify, analyze, and test Operational Amplifier circuits; and
6. Test, align, and troubleshoot various complex electronic circuits.

Emergency Medical Responder (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Emergency Care for First Responders Skills Certificate teaches students manipulative and problem solving skills required for the individual interested in pursuing a career as an emergency medical responder to victims of illness or injury.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Emergency Care for First Responders Requirements - Complete 2.00 Units

Code	Title	Hours/ Units
EMC 100	Emergency Medical Responder	2

Program Student Learning Outcomes

1. Identify a medical or trauma emergency;
2. Apply knowledge of specific skills to assist victims of a medical or trauma emergency; and
3. Discuss the requirements necessary to work in the Emergency Medical Service system.

Emergency Medical Technician (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Emergency Medical Technician (EMT Basic) Skills Certificate provides technical and practical knowledge and skills to meet the requirements of the California Administrative Code to gain certification as an Emergency Medical Technician Basic by the California State Emergency Medical Services Authority. Students will learn to apply principles of anatomy, physiology, and communication as they relate to the assessment of the sick and injured and rendering pre-hospital basic life support. Individuals wishing to enter the Emergency Medical Technician field will be certified after completion of this program. Every two years EMT's are required to complete the Emergency Medical Technician Refresher certificate program. Students must be 18 years of age by course completion to become certified.

Continued growth in employment of EMT's is expected primarily because of the rapidly expanding aging population. Many fire service and law enforcement positions list an Emergency Medical Technician Certificate as "required" or "preferred" for employment.

Those who wish to continue their education and broaden employment opportunities can continue with the Emergency Medical Technician/ Paramedic Certificate of Achievement.

Certification Note: Some public safety positions have legal requirements and background qualifications.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Emergency Medical Technician CERTIFICATE

Code	Title	Hours/ Units
Emergency Medical Technician (EMT-Basic) Prerequisite - Complete 2.00 Units		
EMC 100	Emergency Medical Responder	2
Emergency Medical Technician (EMT-Basic) Requirement - Complete 7.50 Units		
EMC 103	Emergency Medical Technician	7.5
Total Hours/Units		**9.5**

Notes

A current certification in CPR for the Health Provider is required prior to beginning the program.
Emergency room experience (8 hours) and ambulance experience (16 hours) are a required component of EMC 103 Emergency Medical Technician. Prior arrangements for this experience will be made as part of class curriculum. Students will also be required to attend assigned weekend activities as scheduled.

Program Student Learning Outcomes

1. Complete the National Registry written exam;
2. Complete the National Registry Skills Exam; and
3. Demonstrate professional behavior consistent with criteria for employment as a certified Emergency Medical Technician-Basic.

EMLS Credit: Advanced (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students who complete the Advanced English for Academics and Careers Certificate of Achievement will be prepared to meet the English language demands for a variety of occupations and for further academic study, including entry into college-level academic courses.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Advanced English for Academics and Careers - Complete 11.50 Units

Code	Title	Hours/ Units
EMLS 373CP	Advanced Conversation & Pronunciation for Multilingual Ss	3
EMLS 30	Advanced Critical Reading/Writing for Multilingual Students	6
Select any combination totaling at least 2.50 units from the following:		2.5
BGN 110	Introduction to the Administrative Professional	
COUN 162.1	Career Assessment and Research	
EMLS 332	Desktop and Cloud Applications for Multilingual Students	
EMLS 334	Vocational English for Health Sciences	
EMLS 335	Vocational English for Culinary Arts	
EMLS 353	Vocational English for Early Childhood Professionals	
Total Hours/Units		**11.5**

Program Student Learning Outcomes

1. Produce writings that demonstrate organization and content, critical thinking, vocabulary and fluency, and grammatical accuracy for a variety of audiences and purposes.
2. Comprehend reading passages in a range of contexts by identifying organizational strategies, main ideas, and details as well as paraphrasing and summarizing.
3. Word-process writings of various types and access information on the Internet.
4. Demonstrate content knowledge of the vocation(s) introduced in chosen electives.

EMLS Credit: Intermediate (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students who complete the Intermediate English for Academics and Careers Certificate of Achievement will be prepared to meet the English language demands for a variety of occupations and for further academic study, including entry into college-level academic courses.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Intermediate English for Academics and Careers - Complete 22.50 Units

Code	Title	Hours/ Units
Select any combination totaling at least 9.00 units from the following:		9
EMLS 371	Intermediate Reading/Writing/Grammar for Multilingual Studen	
EMLS 371A & EMLS 371B	Interm Reading/Writing/Grammar for Multiling Ss Part 1 and Interm Reading/Writing/Grammar for Multiling Ss Part 2	
Select any combination totaling at least 9.00 units from the following:		9
EMLS 372	High-Intermediate Reading/Writing/Grammar for Multiling Ss	
EMLS 372A & EMLS 372B	High-Interm Reading/Writing/Grammar for Multiling Ss Part 1 and High-Interm Reading/Writing/Grammar for Multiling Ss Part 2	
Select any combination totaling at least 3.00 units from the following:		3
EMLS 371CP	Intermediate Conversation & Pronunciation for Multiling Ss	
or EMLS 372	High-Intermediate English Convers/Pronunciation	
Select any combination totaling at least 1.50 units from the following:		1.5
EMLS 332	Desktop and Cloud Applications for Multilingual Students	
or EMLS 335	Vocational English for Culinary Arts	
or EMLS 353	Vocational English for Early Childhood Professionals	
Total Hours/Units		**22.5**

Program Student Learning Outcomes

1. Produce writings that demonstrate organization and content, critical thinking, vocabulary and fluency, and grammatical accuracy for a variety of audiences and purposes.
2. Comprehend reading passages in a range of contexts by identifying organizational strategies, main ideas, and details as well as paraphrasing and summarizing.
3. Word-process writings of various types and access information on the Internet.
4. Demonstrate content knowledge of the vocation(s) introduced in chosen electives.

EMLS NC: Basic Communication (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Certificate of Completion in Basic Interpersonal Communication prepares high beginning and low- intermediate level EMLS students with the English language and literacy skills needed to function independently in English in a variety of vocational and academic situations. The program focuses particularly on the acquisition of reading, writing and speaking skills needed to function independently at work, school and in the community.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

EMLS NC: Basic Communication - Complete 227.50 Hours

Code	Title	Hours/ Units
Complete 2 core courses (175 hours)		
EMLS 704	Noncredit High-Beginning English	0
EMLS 707	Noncredit High-Intermediate English	0
Complete 1 elective course (52.50 hours)		
EMLS 714CP	Noncredit High-Beginning English Conversation/ Pronunciation	
EMLS 714RW	Noncredit High-Beginning English Reading/Writing	
EMLS 722	Computer Literacy for Multilingual Students	
EMLS 724	Vocational English for Multilingual Students	

Notes

3 courses needed for this certificate

Required Courses: EMLS 704 Noncredit High-Beginning English and EMLS 707 Noncredit High-Intermediate English

Complete one course: EMLS 714CP Noncredit High-Beginning English Conversation/Pronunciation, EMLS 714RW Noncredit High-Beginning English Reading/Writing, EMLS 722 Computer Literacy for Multilingual Students or EMLS 724 Vocational English for Multilingual Students

Program Student Learning Outcomes

1. Demonstrate listening and speaking skills needed to communicate at work and in the community;
2. Read and interpret critical information in the workplace, at school and in various community settings;
3. Fill out applications and write short notes about school, work and/or community-related issues, in writing and/or on the computer; and
4. Demonstrate appropriate cultural behavior in school and work-related settings in the United States including the ability to work collegially in multi-cultural settings.

EMLS NC: College & Career Prep (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Certificate of Completion in Academic Preparedness and Career Development prepares high intermediate level EMLS students with the English language and literacy skills needed to function independently in most vocational and academic situations. The certificate focuses on developing the requisite level of reading, writing and speaking skills needed to matriculate to credit level EMLS courses.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Academic Preparedness and Career Development - Complete 183.75 Hours

Code	Title	Hours/ Units
Select 1-2 courses from the following (157.50 hours):		
EMLS 716 & 716RW	Noncredit High-Intermediate English and Noncredit Intermediate English Reading/ Writing	
EMLS 708	NC Transitional English in Reading/Writing/ Grammar	
EMLS 781A & EMLS 781B	NC Low-Interm Read/Writ/Gramm for Transitional EMLS Pt 1 and NC Low-Interm Read/Writ/Gramm for Transitional EMLS Pt 2	
Complete 1 elective course (26.25-52.50 hours)		
EMLS 716CP	Noncredit Intermediate English Conversation/ Pronunciation	
EMLS 722	Computer Literacy for Multilingual Students	
EMLS 732	Desktop and Cloud Applications for Multilingual Students	
EMLS 734	Noncredit Vocational English for Health Sciences	
EMLS 735	Vocational English for Culinary Arts	
EMLS 753	Noncredit Vocational Engl for Early Childhood Professionals	

Notes

Choose only one (1) of the requirement options. There are three (3) options to choose from.

Required courses option A: EMLS 716 Noncredit High-Intermediate English and EMLS 716RW Noncredit Intermediate English Reading/ Writing
Required courses option B: EMLS 708 NC Transitional English in Reading/Writing/Grammar
Required courses option C: EMLS 781A NC Low-Interm Read/Writ/ Gramm for Transitional EMLS Pt 1 and EMLS 781B NC Low-Interm Read/ Writ/Gramm for Transitional EMLS Pt 2

Plus one (1) course from the list of electives:
Complete one (1) elective course:

Code	Title	Hours/ Units
EMLS 716CP	Noncredit Intermediate English Conversation/ Pronunciation	0
EMLS 722	Computer Literacy for Multilingual Students	0
EMLS 732	Desktop and Cloud Applications for Multilingual Students	0
EMLS 735	Vocational English for Culinary Arts	0
EMLS 753	Noncredit Vocational Engl for Early Childhood Professionals	0

Program Student Learning Outcomes

1. Demonstrate listening, speaking and reading skills needed to clearly communicate and understand information and ideas in personal, academic and vocational settings;
2. write more extensive notes and short reports or compositions; and
3. successfully adapt to new cultural settings at work, school and the community and demonstrate cross-cultural skills in multi-cultural settings.

EMLS NC: Intermediate (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students who complete the Noncredit English for Multilingual Students (EMLS, formerly ESL): Intermediate English for Academics and Careers Certificate will be prepared to meet the English language demands for a variety of occupations and for further academic study, including entry into college-level academic courses.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Non-Credit Intermediate English for Academics and Careers - Complete 393.75 Hours

Code	Title	Hours/ Units
Complete 2 core courses (315 hours):		
EMLS 771 & EMLS 772	Noncredit Intermediate English for Multilingual Students and Noncredit High-Intermediate English for MultilingualStudents	0
Complete 1 elective course (52.50 hours):		
EMLS 771CP	Noncredit Intermediate Conversation & Pronunciation	0
or EMLS 772CP	Noncredit High-Intermediate English Convers/ Pronunciation	
Complete 1 elective course (26.25-52.50 hours):		
EMLS 732	Desktop and Cloud Applications for Multilingual Students	0
or EMLS 734	Noncredit Vocational English for Health Sciences	
or EMLS 735	Vocational English for Culinary Arts	
or EMLS 753	Noncredit Vocational Engl for Early Childhood Professionals	

Program Student Learning Outcomes

1. Produce writings that demonstrate organization and content, critical thinking, vocabulary and fluency, and grammatical accuracy for a variety of audiences and purposes.
2. Comprehend reading passages in a range of contexts by identifying organizational strategies, main ideas, and details, as well as writing paraphrases and summaries.
3. Word-process writings of various types and access information on the Internet.
4. Demonstrate content knowledge of the vocation(s) introduced in chosen electives.

EMLS NC: Literacy Foundations (Certificate of Completion)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Certificate of Completion in Foundations of Literacy Skills prepares students with little or no academic background in their first language with the preliminary English language and literacy skills needed to function at a basic level in everyday situations at work, school and in the community. Literacy foundation skills are emphasized through a variety of instructional methods and strategies that focus on the development of sound-symbol correspondence, vocabulary development and survival English. Lessons are delivered through direct instruction, exercises and interactive activities that provide opportunities for students to develop basic English reading, writing and speaking skills in meaningful contexts.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Foundations of Literacy Skills - Complete 227.50 Hours

Code	Title	Hours/ Units
Complete 2 courses (175 hours):		
EMLS 702 & EMLS 703	Noncredit Beginning English Literacy and Noncredit Low-Beginning English	0
Complete 1 elective course (52.50-96.25 hours):		
EMLS 701	Development of Spanish Literacy Skills	0
or EMLS 713CP	Noncredit Low-Beginning English Conversation/ Pronunciation	
or EMLS 713RW	Noncredit Low-Beginning English Reading/Writing	

Notes

3 courses needed for this certificate

Required Courses: EMLS 702 Noncredit Beginning English Literacy and EMLS 703 Noncredit Low-Beginning English

Complete one course: EMLS 701 Development of Spanish Literacy Skills, EMLS 713CP Noncredit Low-Beginning English Conversation/ Pronunciation or EMLS 713RW Noncredit Low-Beginning English Reading/Writing

Program Student Learning Outcomes

1. Read everyday signs and warnings;
2. Communicate basic personal information and follow simple directions; and
3. Write basic information and fill out simple forms.

EMT Refresher (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Emergency Medical Technician (EMT-1) Refresher Skills Certificate provides updated skills for individuals holding the EMT-1 certificate, in compliance with the requirements outlined by the State of California Administrative Code. Every two years, all certified EMT's are required to complete a refresher program course to maintain their certification.

The program utilizes basic principles learned as an EMT in the exploration & solving of problems in the pre-hospital setting. Completion of this certificate will fulfill California Emergency Medical Standards Authority testing mandates.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Emergency Medical Technician (EMT-1) Refresher Course Requirements - Complete 0.50 Units

Code	Title	Hours/ Units
EMC 104.1	Emergency Medical Technician Refresher	0.5

Program Student Learning Outcomes

1. Identify changes and updates that apply to maintaining California Certification as an Emergency Medical Technician.\\n

Engine Machining (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Program Description

The Engine Machining Certificate offers both theoretical and hands-on training, including engine theory, fuel systems, basic machining, Computer Numeric Control (CNC) machining, metallurgy, print reading and metrology. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice automotive technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Engine Machining - Complete 25.00 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 110	Internal Combustion Engine Theory and Repair	3
ATL 161	Mobile Electrical Systems 1	3
MACH 51.1A	Beginning Machine Tool Technology	3
MACH 80A	Computer Numeric Control Machining I	5
MACH 161	Metallurgy	3
MACH 162	Blueprint Reading for Machine and Related Industries	3
Total Hours/Units		**25**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Identify engine block assembly components and configurations.
6. Demonstrate the proper steps to remove a cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer's specification and procedure.
7. Demonstrate the proper steps for performing a timing belt replacement and setting the timing belt, crankshaft, and camshafts in proper positions.
8. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
9. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
10. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
11. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
12. Machine a thread to industry specifications.
13. Determine high and low limits for a manufactured part.
14. Perform a milling operation to blueprint specifications.
15. Write a program using General Function (G) Miscellaneous Function (M) code.
16. Identify basic CNC machining tools.
17. Describe the basic classification of metals, crystal structures and various material properties.
18. Explain the manufacturing, identification, phase diagram, heat treatment processes and deformation of iron and iron alloys.
19. Analyze engineering drawings and blueprints to determine their parts, features, sizes, locations, tolerances, relationships, fits, finishes and material conditions.
20. Effectively express and exchange ideas through various modes of communication.
21. Demonstrate technical skills in keeping with the demands of their field of study.
22. Analyze engineering blueprints and drawings to identify feature control frames, tolerances, and measurement practices.
23. Demonstrate technical skills in keeping with the demands of 21st century manufacturing.

Fashion Design (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Fashion Studies Program's Fashion Design certificate of achievement offers students interested in the fashion industry a combination of theoretical and hands-on instruction. Students will learn about the history of modern fashion as well as all aspects of apparel production from creating the initial design to sourcing of textiles and materials, to patternmaking and sample sewing, through to the marketing and presentation of the finished garment.

This program will prepare students for a variety of occupations including: assistant designer, apparel business owner, production manager, sample room coordinator, pattern maker, sales assistant, fabric buyer or visual merchandiser.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all

students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Fashion Design Requirements - Complete 28.50 Units

Code	Title	Hours/ Units
FASH 8	Introductory Textiles	3
FASH 52.2	Visual Merchandising	2
FASH 56	Fashion Design and Illustration	3
FASH 60	Draped Design	2
FASH 62A	Flat Pattern Design 1	2
FASH 70A	Clothing Construction 1	2
FASH 70B	Clothing Construction 2	2
FASH 112	Alterations and Sustainability	2
FASH 121	Knitwear Construction	2
FASH 139	Fashion Entrepreneurship	3
FASH 141	Contemporary Fashion Designers	3
FASH 152	Fashion Show Production	2
FASH 152L	Fashion Show Production Lab	0.5
Total Hours/Units		**28.5**

Notes

No course may be used more than once to fulfill a requirement in the certificate.
Certificate will be awarded upon fulfillment of all course requirements with a grade of 'C' or better.

Program Student Learning Outcomes

1. Communicate design concepts through technical sketches and illustrations.
2. Translate garment design concepts from sketches to patterns.
3. Execute the pattern and construction of a garment from concept to finished product.
4. Relate the history and social context of fashion to current industry trends.
5. Apply technical and professional skills expected in the fashion industry as both an employee and an entrepreneur.

Fashion Fundamentals (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Fashion Studies Program's Fashion Fundamentals Design certificate of achievement offers students interested in careers in the fashion industry a combination of theoretical and hands on instruction. Students will be introduced to basic clothing construction techniques, strategies for marketing and presenting apparel, as well as an overview of the history of modern fashion.

This program will prepare students for a variety of entry level jobs in the fashion industry including: design assistant, visual merchandiser, and sample sewer.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Fashion Fundamentals Requirements - Complete 16.50 Units

Code	Title	Hours/ Units
FASH 8	Introductory Textiles	3
FASH 52.2	Visual Merchandising	2
FASH 70A	Clothing Construction 1	2
FASH 70B	Clothing Construction 2	2
FASH 112	Alterations and Sustainability	2
FASH 141	Contemporary Fashion Designers	3
FASH 152	Fashion Show Production	2
FASH 152L	Fashion Show Production Lab	0.5
Total Hours/Units		**16.5**

Notes

No course may be used more than once to fulfill a requirement in the certificate.
Certificate will be awarded upon fulfillment of all course requirements with a grade of 'C' or better.

Program Student Learning Outcomes

1. Execute industry standard garment construction techniques.
2. Select appropriate fabrics for apparel based on fiber content, fabric construction, and environmental impact.
3. Relate the history and social context of fashion to current industry trends.
4. Apply technical and professional skills expected in the fashion industry as both an employee and entrepreneur.

Film & Media Arts Production (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Certificate in Digital Filmmaking is designed for students interested in pursuing media production as a career or creative pursuit. The Certificate provides students with a basic overview of production with flexibility to pursue individual interests. Students will learn the language of cinema, how to use technology to capture images and sound, and how to edit digital media and craft stories. Students can choose to focus on fiction or non-fiction modes of production, and will work in teams using a variety of cutting-edge technologies to create original works.

The program prepares students for careers in the film and television industries by giving them a variety of hands-on opportunities, including: using industry standard technologies in the production of student-created content; working in crews and with industry professionals; contributing to SRJC's award-winning student newspaper "The Oak Leaf" on important local and national stories; and participating in the Petaluma Cinema Series and Film Fest Petaluma.

State-of-the-art facilities include: a fully-functioning multicamera broadcast studio, student accessible digital media suites & VR lab, Petaluma Campus' elegant 250-seat 4K motion picture theater -- the Carole L. Ellis Auditorium, and Santa Rosa Campus' brand new 50-seat screening room.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Digital Media: Digital Filmmaking Core Requirements - complete 21.00 units

Code	Title	Hours/ Units
CS 74.22	Digital Video Post-Production	3
FMA 10	Film Appreciation	4

FMA 18	Audio for Film Production	3
FMA 20	Introduction to Digital Filmmaking	4
Complete any combination totaling at least 7.00 units from the following:		7
JOUR 5	Non-Fiction Digital StoryTelling	
FMA 19	Multi-Camera Studio Production	
FMA 21	Intermediate Digital Filmmaking	
FMA 22	Screenwriting	
Total Hours/Units		**21**

NOTES

Effective Fall 2022, students who completed both CS 74.21A and CS 74.21B in prior semesters may substitute those courses for CS 74.22 Digital Video Post-Production as part of the requirement for this certificate.

Program Student Learning Outcomes

1. Analyze visual media from a technical, aesthetic, historic, and cultural point-of-view;
2. Demonstrate fluency in the language of film production and criticism;
3. Plan, organize, and execute the production of digital media projects;
4. Collaborate effectively in production teams.

Fire Science - Company Officer (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Fire Science - Company Officer certificate of achievement is designed for students who have already obtained State Fire Training Firefighter II and provides the student with the knowledge, skills and abilities necessary to be a successful first-line supervisor. The program includes California State recognized coursework that directly benefits students who may wish to advance within the fire service to a supervisory position.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Fire Science - Company Officer - Complete 19.50 Units

Code	Title	Hours/ Units
FIRE 50	Ethical Leadership in the Classroom	0.5
FIRE 69	S-290 Intermediate Wildland Fire Behavior	2
FIRE 80	Human Resource Management for Company Officers	2
FIRE 81	Fire Administration for Company Officers	1
FIRE 82	Fire Inspections and Investigations for Company Officers	2
FIRE 83	All Risk Command Operations for Company Officers	2
FIRE 84	Wildland Incident Operations for Company Officers	2
FIRE 85	Hazardous Materials Incident Commander	2
FIRE 86A	Fire Service Instructor I	2
FIRE 90	Firefighting Tactics and Strategy	3
FIRE 91	ICS-200 Basic Incident Command System	1
Total Hours/Units		**19.5**

Program Student Learning Outcomes

1. Demonstrate strong interpersonal and communication skills;
2. Apply necessary skills to be a successful Company Officer;
3. Understand and apply foundational knowledge as a Company Officer supervisor.

Fire Technology (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This Fire Technology Certificate of Achievement prepares individuals for an entry level career in the fire service by providing a foundation of core concepts, practices, vocabulary, culture, safety and requirements for the fire service. The program follows the Fire and Emergency Services Higher Education (FESHE) model from the national Fire Academy in Emmitsburg, Maryland and is a component of accreditation from the State Fire Marshal.

The Fire Technology program is accredited as a regional fire academy by the Office of the State Fire Marshall and the State Board of Fire Services.

Most job growth will occur as a result of the need to replace firefighters who promote, retire, stop working for other reasons, or transfer to other occupations. The fire academy reviews and administers a physical agility test. A valid Class C and/or B driver's license and possession of EMT certification may be required for employment.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Fire Technology Requirements - Complete 30.00 Units

Code	Title	Hours/ Units
FIRE 71	Fire Protection Organization	3
FIRE 72	Fire Behavior and Combustion	3
FIRE 73	Fire Prevention Technology	3
FIRE 74	Fire Protection Equipment and Systems	3
FIRE 76	Building Construction for Fire Protection	3
FIRE 78	Principles of Fire and Emergency Services Safety-Survival	3
Select any combination totaling at least 12.00 units from the following:		12
EMC 100	Emergency Medical Responder	
EMC 103	Emergency Medical Technician	
FIRE 50	Ethical Leadership in the Classroom	
FIRE 61	Fire Investigation	
FIRE 69	S-290 Intermediate Wildland Fire Behavior	
FIRE 77	Hazardous Materials for Public Safety	
FIRE 80	Human Resource Management for Company Officers	
FIRE 81	Fire Administration for Company Officers	
FIRE 82	Fire Inspections and Investigations for Company Officers	
FIRE 83	All Risk Command Operations for Company Officers	
FIRE 84	Wildland Incident Operations for Company Officers	
FIRE 85	Hazardous Materials Incident Commander	
FIRE 86A	Fire Service Instructor I	
FIRE 86B	Fire Service Instructor II Instructional Development	
FIRE 86C	Fire Service Instructor III Instructional Program Management	
FIRE 107.1	Volunteer Firefighter Skills	
FIRE 107.2	Advanced Volunteer Firefighter Skills	
FIRE 206	Wildland Firefighter Academy	
FIRE 208	Introduction to Firefighter Academy	
FIRE 208.5	Firefighter II Capstone Training	
FIRE 241	Driver Operator 1A	
FIRE 258	Fire Apparatus 1B, Pumping Apparatus Operations	
FIRE 284.1	Residential Truck Academy	

FIRE 290	Firefighter Academy	
Total Hours/Units		**30**

Notes

FIRE 71 Fire Protection Organization, FIRE 208 Introduction to Firefighter Academy and EMC 100 Emergency Medical Responder are prerequisites for the FIRE 290 Firefighter Academy. The Firefighter 1 Academy administers and reviews a physical agility test.

All courses taken in conjunction with this program must be completed with a letter grade of C or better.

Program Student Learning Outcomes

1. Describe all elements of the fire service including: fire service history, culture and diversity; minimum qualifications and entry level skills; and all elements of the application, hiring and probationary process.
2. Analyze, appraise and evaluate fire and emergency incidents and identify components of emergency management and firefighter safety.
3. Identify and comprehend laws, regulations, codes and standards that influence fire department operations and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances and firefighter health and safety;
4. Analyze the causes of fire, determine extinguishing agents and methods; differentiate the stages of the fire and fire development, and compare methods of heat transfer;
5. Identify and describe the equipment and apparatus used in the fire service and the maintenance of said equipment and apparatus;
6. Identify and describe common types of building construction and conditions associated with structural collapse and firefighter safety; and
7. Differentiate between fire detection and alarm systems and identify common health and safety concerns of firefighters and first responders.

Firefighter Academy (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Firefighter Academy Certificate of Achievement is intended for pre-Fire Service students and Fire Service professionals (volunteer and paid fire fighters) to train in an accepted State curriculum, and as an Accredited Regional Training Program, the Academy is certified by the State Fire Marshal's Office. In addition to the Academy completion certificate, candidates will need to complete field experience (1 year volunteer or 6 months fulltime) in order to obtain their Firefighter I certificate.

The academy includes over 585 hours of instruction and basic firefighting skills needed for the entry level professional firefighter to perform his/her duties safely, effectively, and competently. The curriculum is based on the 2019 edition of NFPA 1001, Standards for Firefighter Professional Qualifications, the 2020 edition of NFPA 1051, Standards for Wildland Firefighter Professional Qualifications, and the s 2017 NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017). The seven overarching themes of the California State Firefighter 1 and 2 curriculum are: general knowledge germane to the profession, fire department communication, fire ground operations, rescue operations, preparedness and maintenance, wildland suppression activities, and hazardous materials/WMD.

In addition to the curriculum identified in these standards, students receive additional instruction in the areas of Auto extrication, the Incident Command System (ICS), Low Angle Rope Rescue Operations (LARRO), an expanded Wildland Firefighting component that meets the requirements necessary to obtain a Cal Fire Basic Firefighter Certificate, Confined Space Awareness and a rigorous physical training component.

Prior to enrolling in the academy, students must complete EMT (EMC 105) or First Responder (EMC 100).

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning

& Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Firefighter Academy Requirements - Complete 24.00 Units

Code	Title	Hours/ Units
FIRE 71	Fire Protection Organization	3
FIRE 208	Introduction to Firefighter Academy	1.5
FIRE 290	Firefighter Academy	17.5
Select any combination totaling at least 2.00 units from the following:		2
EMC 100	Emergency Medical Responder	
or EMC 103	Emergency Medical Technician	
Total Hours/Units		**24**

Program Student Learning Outcomes

1. Describe fire department organization and the expectations of entry level firefighters;
2. Differentiate types of fire behavior and its impact on structural and wildland situations;
3. Demonstrate and apply the use of fire department equipment through its selection for given firefighting tasks;
4. Demonstrate and apply knowledge of strategies, tactics and incident command through the selection and implementation of firefighting methods and the application of the Incident Command System (ICS); and
5. Demonstrate safe practices by using minimum standard safety procedures.

Fitness and Health Coach (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Fitness and Health Certificate of Achievement at Santa Rosa Junior College is designed to provide an in-depth study and practical application of principles of health, weight management, behavior modification, fitness testing, physical fitness training, exercise leadership and program design. This certificate/major is for students seeking entry-level careers and/or additional training in the fitness and health industry. Possible career opportunities may include personal trainer, group exercise instructor, health or wellness coach, weight management consultant, and fitness instructor. This program prepares students to sit for the nationally recognized certification exams by the American Council on Exercise (ACE) for personal trainer, group fitness instructor, and health coach. This certificate is unique in its design because in addition to learning principles of exercise science, it also encompasses comprehensive topics in the area of health, nutrition, and behavior change vital for fitness trainers to address broader client goals and to meet the need of a growing trend toward wellness type coaching. This certificate also has a strong emphasis on practical “hands-on” experience and teaching techniques.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Fitness and Health Coach - Complete 20.00 Units

Code	Title	Hours/ Units
FDNT 60	Nutrition and Physical Fitness	1
KIN 53	Principles of Health and Wellness	3
KIN 80	Introduction to Applied Kinesiology and Anatomy	3
KIN 81	Intro to Exercise Physiology, Assessment, and Program Design	3
KIN 83	Techniques of Fitness Instruction	3
KIN 84	Health and Wellness Coaching	3
Select any combination totaling at least 1.00 unit from the following:		1
KIN 50.1	Fitness Teaching Practicum	
or WEE 99I	Internship Work Experience Education	
Select any combination totaling at least 3.00 units from the following:		3
FDNT 10	Elementary Nutrition	
or KIN 8	Psychological Aspects of Sports Performance	
Total Hours/Units		**20**

Notes

WEE 99I Internship Work Experience Education MUST be taken for one unit of Internship Work Experience Education 52.50 hours. One unit is the minimum requirement for this program.

Program Student Learning Outcomes

1. Design safe and effective training programs based on client needs, goals, fitness level and health history;
2. Demonstrate proper individual and group exercise leadership skills for general and special populations;
3. Review client food intake and educate clients on healthful eating habits for weight management and physical performance;
4. Integrate behavior modification techniques and concepts of health and wellness to formulate comprehensive training plans; and
5. Analyze emerging information in the field of nutrition, health, and fitness and differentiate between credible and non-credible sources and information.

Floral Design (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Floral Design Certificate of Achievement prepares students for work in the floral design industry. Flower care and handling, basic design, use of seasonal, dry, silk, or exotic plant materials, floral decoration, and special occasion arrangement are some of the skills and topics covered in the program.

Individuals typically find employment in many areas of the floral industry, such as retail flower shops, large retailers, wholesale suppliers, wineries, growers, and event and party planners.

With the great number of floral related businesses in Sonoma County, the job outlook is good. While the number of retail flower shops has remained constant, flowers are becoming available in many types of stores, such as supermarkets and mass merchandisers. In addition, the growth of the Sonoma County tourism industry is leading to more job opportunities. Flowers used for weddings, special events and conventions are increasing the demand for qualified floral designers.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Floral Design Requirements - Complete 18.00 Units

Code	Title	Hours/ Units
FLOR 83A	Beginning Floral Design	2
FLOR 83B	Intermediate Floral Design	2
FLOR 183C	Advanced Floral Design	2
FLOR 187	European & Advanced Contemporary Floral Design	1
FLOR 105	Flowers to Wear and Carry	1
FLOR 108	Display and Merchandising for Retail Florists	1
FLOR 112	Wedding Design	2
FLOR 113	Floral Tributes	2
FLOR 114	Retail Flower Business Management	3
FLOR 116	Identification and Handling of Flowers, Foliages and Plants	2
Total Hours/Units		**18**

Notes

All courses must be completed with a grade of C or better.

Program Student Learning Outcomes

1. Name and properly use the tools and mechanics in floral design;
2. Demonstrate proper standards of care and handling of fresh floral materials;
3. Create fresh floral arrangements and distinguish between the different types of design styles; and
4. Demonstrate an entry level knowledge of retail flower shop operation.

Hemp Agriculture (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This program is currently on hiatus.

The Hemp Agriculture Certificate of Achievement provides a rigorous and comprehensive foundation for students seeking positions in the hemp industry that propagate, grow, and market a variety of products for consumers, commercial enterprises, or the wholesale market. The program delivers both lecture and hands-on laboratory experience in: Plant science, growth, and development; Soil and plant nutrition; Integrated pest management; Nursery and crop production; Irrigation methods, system design, and troubleshooting; and Principles of sustainable agriculture. While these topics apply to production of any crop, these courses will offer contextualized units, assignments, and/or lab activities that apply these topics to specific aspects of the hemp plant.

Hemp represents a multi-billion dollar industry and is poised to grow exponentially following federal legalization in 2018. Hemp (Cannabis sativa L.) is a genetically distinct biotype of cannabis sativa grown for fiber, seed or oil. In federal law, hemp by definition contains less than 0.3% THC, the compound in marijuana known for its psychoactive effects (the euphoric "high"). Hemp is used in the production of a wide range of products, including food and beverages, cosmetics and personal care products, nutritional supplements, fabrics and textiles, construction and insulation materials, and other manufactured goods. In addition, hemp is used to produce non-psychoactive cannabidiol (CBD), which has shown enormous promise for a variety of medical applications.

While this certificate is focused on hemp agriculture students may apply the knowledge and skills attained to a variety of agricultural production careers.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Hemp Agriculture - Complete 24.00 Units

Code	Title	Hours/ Units
AGRI 20	Introduction to Plant Science	4
AGRI 30	Introduction to Soil Science	3
AGRI 70	Integrated Pest Management	3
HORT 70	Plant Propagation	3
HORT 72	Techniques in Plant Propagation	2
HORT 144	Landscape Irrigation	3
SUAG 5	Introduction to Sustainable Agriculture	3
SUAG 64	Warm Season Crop Production	2
Select any combination totaling at least 1.00 unit from the following:		1
AGBU 7	Agricultural Economics	
AGME 50	Agricultural Machinery and Equipment Skills	
AGRI 98	Independent Study in Agriculture	
AGRI 99I	Agriculture Internship	
HORT 71	Nursery Production	
HORT 91	Landscape Construction/Estimation	
SUAG 65	Cool Season Vegetable Production	
SUAG 103	Composting for Organic Farming and Gardening	
SUAG 109	Organic Crop Planning and Production	
SUAG 160	Direct Farm Marketing	
Total Hours/Units		**24**

Notes

Only one unit of AGRI 98 Independent Study in Agriculture or AGRI 99I Agriculture Internship is required, but students may elect to take additional units.

Program Student Learning Outcomes

1. Demonstrate primary methods of plant propagation in the hemp industry;
2. Identify and compare important developmental stages of the hemp plant;
3. Design a hemp production plan and schedule from soil preparation through harvest;
4. Identify and analyze sustainable agronomic hemp cultivation practices.

Hospitality Management (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Hospitality Management certificate of achievement provides a solid base of world-class customer service training, supervisory skills and industry-specific topics. The classes are tailored to meet the needs of enrolled students while teaching the latest trends in the hospitality industry. This program provides students with the skills and knowledge of working the hospitality industry including hotels, restaurants, event and meeting planning, wineries, casinos, and tourism organizations, but also the expertise to guide tourists to the many tourist attractions including restaurants, wineries, historical sites, arts, culture, events and activities of Sonoma County.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Hospitality Management - Complete 16.00 Units

Code	Title	Hours/ Units
HOSP 58	Meeting and Event Planning	3
HOSP 63	Introduction to the Hotel Industry	3

HOSP 68	Hospitality Law	3
HOSP 80	Introduction to Hospitality	3
Select any combination totaling at least 4.00 units from the following:		4
HOSP 50	Introduction to Tourism in Sonoma County	
WEE 99I	Internship Work Experience Education	
HOSP 53	Customer Service	
HOSP 54	Customer Relations for the Hospitality Industry	
BMG 61	Skills for Managers	
Total Hours/Units		**16**

Program Student Learning Outcomes

1. Demonstrate analytical, quantitative, and computer skills necessary to work in the hospitality field;
2. Apply necessary skills required for managing the complex human interactions and communication that takes place in the hospitality industry; and
3. Demonstrate the ability to effectively provide customer service to clients.

HVACR Fundamentals (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Santa Rosa Junior College HVACR Fundamentals Certificate of Achievement prepares students for exciting and in-demand jobs in the residential Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) industry.

Students will learn how residential HVACR systems and their components operate; the fundamentals of airflow, refrigeration, ventilation, combustion, and thermodynamics; and the tools and equipment used for installation, maintenance, and repair work. Students also learn about jobsite safety, career opportunities, codes and regulations, and industry certification requirements for residential HVACR technicians.

This program is great for students new to the HVACR industry and for students who already have some industry experience. The certificate can be completed by full-time or part-time students, over 3-4 semesters.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
HVACR Fundamentals Core Requirements		
HVAC 101	Introduction to HVACR	3
HVAC 102	Residential HVACR System Components	3
HVAC 103	Residential Heating, Airflow and Ventilation	3
HVAC 104	Air-Conditioning and Refrigeration Systems	3
HVACR Fundamentals Electives		
Select any combination totaling at least 6.00 units from the following:		6
WEE 99I	Internship Work Experience Education	
Construction Emphasis		
CONS 101	Introduction to the Construction Industry	
CONS 102	Construction Practice and Technologies	
ELEC 51A	Fundamentals of Electricity	
MACH 162	Blueprint Reading for Machine and Related Industries	
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	
Business and Entrepreneurship Emphasis		
BMK 50	Marketing	

BMG 52	Business Communication
BMG 66.4	Project Management
BGN 81	Practical Business Math Skills
ESHP 115	Financial Basics and Cash Flow
Computer Emphasis	
CS 5	Computer Literacy
CS 61.1A	Microsoft Excel, Part 1
CS 61.1B	Microsoft Excel, Part 2
Total Hours/Units	**18**

Notes

Students can take any 6 units from any of the requirement emphasis areas.

Program Student Learning Outcomes

1. Identify and explain the function of residential HVACR systems and components.
2. Identify and explain the proper use of diagnostic tools used by residential HVACR technicians.
3. Diagnose and troubleshoot operational faults in residential HVACR systems.
4. Explain the career pathways and business opportunities for residential HVACR technicians.

IndustrlMaintenanceFundamntals (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Industrial Maintenance Technician Skills Certificate prepares individuals for employment as electro-mechanical maintenance technicians in high tech manufacturing. Instruction is provided in the fundamentals of electronics, programmable logic controllers, rotating machinery, and mathematics.

This program was created in cooperation with local high tech manufacturing companies that have a need for trained maintenance technicians. Currently, the demand for these technicians is on the rise. Possible job titles include: technician, electronic technician, machine technician/specialist, machine operator, maintenance worker, maintenance mechanic.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Industrial Maintenance Fundamentals Requirements - Complete 11.00 Units

Code	Title	Hours/ Units
ELEC 153	Programmable Logic Controllers	3
ELEC 154	Rotating Machinery	3
Select any combination totaling at least 3.00 units from the following:		3
ELEC 51A	Fundamentals of Electricity	
ELEC 54A	Direct and Alternating Current Theory	
Select any combination totaling at least 2.00 units from the following:		2
MACH 51.1A	Beginning Machine Tool Technology	
WEOC 99	Occupational Work Experience	
WEE 99I	Internship Work Experience Education	
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	
Total Hours/Units		**11**

Program Student Learning Outcomes

1. Write complex programs for Programmable Logic Controllers (PLC) for at least two manufacturers' systems.
2. Identify and troubleshoot PLC program problems.
3. Operate and maintain AC and DC motors, generators and controllers.
4. Implement safety procedures in the workplace.
5. Perform mathematical computations related to voltage, current, power and duty cycle.
6. Understand safety codes and regulations applied to usage of industrial equipment and industrial working environment.

Interior Design (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Interior Design Certificate of Achievement prepares students for employment in full service interior design firms, retail establishments, architectural firms, space planning agencies, real estate, and development companies.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Interior Design Requirements - Complete 37.00 Units

Code	Title	Hours/ Units
APTE 46	Introduction to Computer-Aided Drafting	2
APTE 59	Architectural CAD	2
ARCH 60	Digital Presentation Graphics	2
ARCH 65	3D Modeling with Revit	2
INDE 20	Introduction to Interior Design	3
INDE 50	Drafting and Drawing for Interiors	3
INDE 52	Interior Environment and Space Planning	3
INDE 62	History of Interior Design	3
INDE 63	Interior Products, Materials, and Lighting	3
INDE 64	Professional Practices for Interior Design	3
INDE 71	Interior Design Studio	3
INDE 73	Portfolio Development	2
Select any combination totaling at least 3.00 units from the following:		3
INDE 67	Interior Illustration and Rendering	
INDE 122	Kitchen and Bath Design	
Select any combination totaling at least 3.00 units from the following:		3
ARCH 2.1	History of World Architecture: Prehistory to Gothic	
ARCH 2.2	History of World Architecture: Gothic to 20th Century	
ARCH 2.3	History of World Architecture: 20th Century to Contemporary	
ARCH 12	Introduction to Environmental Design	
ART 3	Introduction to Art and Design	
ART 4	Principles of Color	
ART 5	Three Dimensional Design	
ART 7A	Drawing and Composition 1	
ART 82	Beginning Digital Photography	
BMK 50	Marketing	
BMK 51	High Tech Selling and Pursuing a Sales Career	
BMK 54	Advertising, Branding, & Digital Marketing	
BMK 57	Introduction to Public Relations	

BMK 59	Consumer Behavior
COMM 1000	(COMM C1000) Introduction to Public Speaking
COMM 4	Survey of Communication
CONS 103	Construction Materials, Methods and Equipment
CONS 105	Construction Contract Documents
CS 71.11	Adobe Illustrator 1
CS 74.11	Introduction to Digital Media
Total Hours/Units	**37**

Program Student Learning Outcomes

1. Apply problem solving to produce practical solutions to clients' space needs by applying the materials, methods, and principles of interior design, including historical, sustainable and design for special populations;
2. Use manual and digital graphic methods and oral presentation skills to communicate interior design solutions to sub-contractors, suppliers, and clients;
3. Identify the business practices, building codes, and professional ethics of the interior design trade.

Interior Design: Fundamentals (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This accelerated certificate program will provide an introduction to the field of Interior Design. It includes the history of Interior Design, graphic communication skills, and criteria for choosing furnishings for an interior. Students can build on this certificate towards a Technical and Residential Certificate in Interior Design or an AA degree in Interior Design.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Interior Design Fundamentals - Complete 12.00 Units

Code	Title	Hours/ Units
INDE 20	Introduction to Interior Design	3
INDE 50	Drafting and Drawing for Interiors	3
INDE 62	History of Interior Design	3
INDE 63	Interior Products, Materials, and Lighting	3
Total Hours/Units		**12**

Program Student Learning Outcomes

1. Identify what skills are necessary to become a professional Interior Designer.
2. Evaluate materials and lighting to create residential/commercial interiors.
3. Analyze the history of architecture, interiors, and furnishings for a better understanding of current design trends.
4. Demonstrate how to hand-draft to scale in order to communicate with sub-contractors and clients.

Interior Design: Technical (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Interior Design: Technical Certificate of Achievement prepares students for employment in a number of interior retail merchandising areas such as, home accessory, countertop surface, wholesale design, do-it-yourself merchandise, floorcoverings, furniture, lighting, paint, and wallcoverings.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Interior Design: Technical Requirements - Complete 17.00 Units

Code	Title	Hours/ Units
ARCH 60	Digital Presentation Graphics	2
ARCH 65	3D Modeling with Revit	2
APTE 46	Introduction to Computer-Aided Drafting	2
APTE 59	Architectural CAD	2
INDE 20	Introduction to Interior Design	3
INDE 50	Drafting and Drawing for Interiors	3
INDE 63	Interior Products, Materials, and Lighting	3
Total Hours/Units		**17**

Program Student Learning Outcomes

1. Recognize, identify, and select materials appropriate to clients' needs for an interior design project;
2. Demonstrate mastery of the manual and computer graphic techniques used by interior designers;
3. Prepare a set of interior design construction documents to communicate to subcontractors, suppliers, and clients.

Journalism: Digital (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Journalism: Digital Certificate of Achievement provides students with an introduction to and skills in digital journalism and provides hands-on preparation for entry-level work in web journalism and/or an overlay of digital skills for recent journalism graduates and seasoned print journalists.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Journalism: Digital Core Certificate Requirements		
JOUR 1	Introduction to Journalism	3
JOUR 1L	Introduction to Journalism Lab	0.5
JOUR 2	News Gathering and News Writing	3
JOUR 2L	News Gathering and News Writing Lab	0.5
JOUR 52A	News Media Practice 1	3
JOUR 5	Non-Fiction Digital StoryTelling	4
JOUR 56	Editing for News Media	3
Journalism: Digital Elective Certificate Requirements		
Select any combination totaling at least 8.00 units from the following:		8
CS 57.11	Social Media, the Internet, and Society	
CS 74.11	Introduction to Digital Media	
CS 74.22	Digital Video Post-Production	
CS 76.11	Drone Piloting and Imaging	
ENGL 4A	Beginning Creative Writing	
JOUR 52B	News Media Practice 2	
JOUR 52C	News Media Practice 3	
JOUR 59	Photojournalism	
FMA 18	Audio for Film Production	
FMA 19	Multi-Camera Studio Production	
FMA 20	Introduction to Digital Filmmaking	
Total Hours/Units		**25**

Notes

Suggested Emphases

1. Digital - Video/documentary
   - Take Intro to Digital Media, Digital Filmmaking 1, and Oak Leaf 2, Dig. Vid post production A&B
2. Digital - Broadcast
   - Take Intro to Digital Media, Media 19 and Oak Leaf 2 and Dig. Vid post production A&B
3. Digital - Photojournalism
   - Take Photojounrnalism, Drone piloting/imaging and Oak Leaf 2
4. Digital - Podcasting
   - Take Digital Audio 1 and 2, Oak Leaf 2
5. General/Writing - Longform
   - Take Creative Writing; Oak leaf 2, Photojournalism
6. General/Writing - News
   - Take Photojournlaism, Oak Leaf 2, Social Media and/or intro to digital media

Program Student Learning Outcomes

1. Develop, create, report, research and produce technically well-executed news and feature stories for the web and/or broadcast news using combinations of text, images, audio, video and social media.
2. Use new website, audio and video software systems to produce multimedia stories.
3. Write news and feature stories on print and web deadlines using foundational journalism skills such as developing story ideas, conducting research, interviewing sources, and applying proper grammar and Associated Press Style.
4. Exercise news judgment and apply knowledge of online journalism ethical, legal and content issues to real-life situations.
5. Analyze and evaluate multimedia stories for content, aesthetics and technical quality.

Juvenile Justice (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Juvenile Justice Certificate of Achievement prepares students to work in entry level positions in the field of juvenile justice.

The courses required by the Certificate are courses that are also required for an AS-T degree in Public Safety. Students can complete the Certificate and start their careers while continuing to work towards an AS-T degree in Public Safety. Completion of the requirements in this certificate can also apply to the Corrections Certificate of Achievement and the Law Enforcement Certificate of Achievement.

Occupations relevant to this professional certification include: juvenile probation officers; juvenile correctional counselors/youth supervisors; youth group counselors; and police officers who work with domestic violence, youth, or family cases. This program can also provide a

foundation for the field of juvenile probation, which usually requires a Bachelor's degree.

The rising incidence of youth e being processed as delinquent is creating an increased need for more professionals in the justice system. There is a strong labor market for those skilled in working with youth and families.

Certification Note:
Some public safety positions have legal requirements and background qualifications. Certain criminal violations may disqualify a candidate for certification. Contact the Public Safety Department for more information.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Juvenile Justice Core Requirements - Complete 21.00 Units

Code	Title	Hours/ Units
AJ 21	Introduction to Administration of Justice	3
AJ 22	Concepts of Criminal Law	3
AJ 53	Juvenile Procedures	3
AJ 71	Criminal Justice Interviewing & Counseling	3
Select any combination totaling at least 9.00 units from the following:		9
AJ 25	Community Relations	
AJ 26	Crime and Criminal Justice in Society	
AJ 57	Basic Criminal Investigation	
AJ 99I	Administration of Justice Internship	
PSYC 1000	(PSYC C1000) Introduction to Psychology	
SOC 1	Introduction to Sociology	
Total Hours/Units		**21**

Notes

A grade of "C" or better is required for all certificate courses.

To complete the Certificate in 2 semesters, AJ 21 Introduction to Administration of Justice and AJ 22 Concepts of Criminal Law should be taken simultaneously during the first semester. AJ 53 Juvenile Procedures and AJ 71 Criminal Justice Interviewing & Counseling should be taken simultaneously during the second semester.

To complete the Certificate in more than 2 semesters, it is recommended that students take and successfully complete AJ 21 Introduction to Administration of Justice before taking any other AJ courses.

Program Student Learning Outcomes

1. Demonstrate an understanding of mission, goals and legal premises that govern the criminal justice system;
2. Use investigative skills to gather, analyze and assess information to recommend an outcome that is consistent with established laws and guidelines;
3. Evaluate actions and behavior of offenders in a theoretical, cultural, and social context to formulate a course of action consistent with the goals of the juvenile justice system; and,
4. Demonstrate the skills required for the documentation and assessment of information obtained during interactions with and supervision of offenders.

Law Enforcement (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Law Enforcement Certificate of Achievement provides students with fundamental knowledge of the criminal justice system, with an emphasis on the law enforcement agencies.

The courses required by the Certificate are courses that are also required for an AS-T degree in Public Safety. Students can complete the Certificate and start their careers while continuing to work towards an AS-T degree in Public Safety. Completion of the requirements in this certificate can also apply to the Corrections Certificate of Achievement and the Juvenile Justice Certificate of Achievement.

Job openings in the law enforcement field are excellent. Due to increased emphasis on law enforcement and homeland security, numerous positions have been developed. Many local, state and national departments are expanding their opportunities.

Employment may be found with a variety of state, local, and federal agencies. Law Enforcement jobs with the federal government typically require a 4-year degree. State and local agencies prefer, if not require, a 2-year degree. Students completing the requirements of The Law Enforcement Certificate.

For students interested in an Associate degree, an Administration of Justice major (https://portal.santarosa.edu/srweb/SR_ProgramOfStudy.aspx?ProgramType=9&Program=002062) is available. Students may also wish to further their education in the law enforcement field by transferring to a four-year university to pursue a baccalaureate degree. Some of the requirements in this certificate also apply to the Corrections Certificate of Achievement.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Law Enforcement Requirements - Complete 21.00 Units

Code	Title	Hours/ Units
AJ 21	Introduction to Administration of Justice	3
AJ 22	Concepts of Criminal Law	3
AJ 25	Community Relations	3
AJ 57	Basic Criminal Investigation	3
Select any combination totaling at least 6.00 units from the following:		6
AJ 99I	Administration of Justice Internship	
PSYC 1000	(PSYC C1000) Introduction to Psychology	
SOC 1	Introduction to Sociology	
Select any combination totaling at least 3.00 units from the following:		3
AJ 26	Crime and Criminal Justice in Society	
AJ 53	Juvenile Procedures	
AJ 55	Criminal Procedures	
AJ 61	Introduction to Evidence	
Total Hours/Units		**21**

Notes

In order to receive this certificate, all courses must be completed with a grade of C or better.

New students should consult an Administration of Justice Program Advisor.

Note: It is recommended that career Law Enforcement persons consider enrolling in District Police Campus Patrol courses for experience in the field . Interested students should contact the Districe Police Chief for more information.

Program Student Learning Outcomes

1. Demonstrate an understanding of mission, goals and legal premises that govern the criminal justice system;
2. Use investigative skills to gather, analyze and assess information to recommend an outcome that is consistent with established laws and guidelines;
3. Observe and evaluate the actions and the behavior of offenders to formulate a course of action consistent with the laws, policies and practices that govern law enforcement; and,

4. Apply the principles of proper law enforcement techniques as they relate to the prevention, detection, and investigation of crime.

Law Enforcement Supervisor (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This single-course Skills Certificate will identify the training necessary for law enforcement supervisors mandated by Peace Officer Standards and Training, a state regulatory agency. This course will address leadership styles, motivation, communication, problem solving and discipline issues.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Law Enforcement Supervisor Techniques - Complete 2.00 Units

Code	Title	Hours/ Units
AJ 361	Law Enforcement Supervisor Techniques	2

Program Student Learning Outcomes

1. Demonstrate ethical leadership and supervision practices in a public safety environment;
2. Explain legal responsibility regarding proper implementation of policy and procedures.

Mchtroncs:IndustrlMntnncTchncn (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Mechatronics: Industrial Maintenance Technician Certificate of Achievement prepares individuals for employment as electro-mechanical maintenance technicians in high-tech manufacturing. Instruction is provided in the fundamentals of electronics, programmable logic controllers (PLCs), rotating machinery, and applied mathematics.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.

2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Mechatronics: Industrial Maintenance Technician - Complete 19.00 Units

Code	Title	Hours/ Units
ELEC 51A	Fundamentals of Electricity	3
ELEC 54A	Direct and Alternating Current Theory	3
ELEC 54B	Fundamentals of Electronic Devices	3
ELEC 64A	Electronic Construction 1	2
ELEC 153	Programmable Logic Controllers	3
ELEC 154	Rotating Machinery	3
Select any combination totaling at least 2.00 units from the following:		2
MACH 51.1A	Beginning Machine Tool Technology	
WEOC 99	Occupational Work Experience	
WEE 99I	Internship Work Experience Education	
WELD 101	Introduction to Shielded Metal Arc Welding (SMAW)	
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Identify and troubleshoot Programmable Logic Controllers (PLCs) program problems.
2. Operate and maintain AC/DC motors, generators, and controllers.
3. Understand safety codes and implement safety procedures applicable to usage of industrial equipment in an industrial working environment.
4. Test, adjust, and troubleshoot various complex electronic circuits.

Mechatronics Fundamentals (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Mechatronics Fundamentals skills certificate prepares students for entry-level positions that involve the operation and maintenance of electro-mechanical computer-controlled systems commonly found in automated manufacturing environments. Systems-level analysis, assembly and troubleshooting techniques are stressed in the hands-on laboratory activities. Course topics include microcontroller, industrial robotics and control of D/C motors using sensors and actuators

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Mechatronics Fundamentals Requirements - Complete 12.00 Units

Code	Title	Hours/ Units
ELEC 54A	Direct and Alternating Current Theory	3
ELEC 54B	Fundamentals of Electronic Devices	3
ELEC 54C	Microcontrollers and Embedded Systems	3
ELEC 82	Mechatronics Fundamentals	3
Total Hours/Units		**12**

Program Student Learning Outcomes

1. Use a microcontroller to detect inputs from sensors.
2. Control LEDs, servo motors, speakers, and other devices in response to inputs and programming.
3. Demonstrate safety procedures when handling the robot.
4. Program a set of movements on the teach pendant.

Mechatronics Technician (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Mechatronics Technician major provides training in a multi-disciplinary field focusing on industrial automation. Topics include electricity, electronics, industrial motor controls, programmable logic controllers (PLCs), robotics, AC/DC drives, and manufacturing technologies.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Mechatronics Technician Requirements - Complete 26.00 Units

Code	Title	Hours/ Units
ELEC 54A	Direct and Alternating Current Theory	3
ELEC 54B	Fundamentals of Electronic Devices	3
ELEC 54C	Microcontrollers and Embedded Systems	3
ELEC 64A	Electronic Construction 1	2
ELEC 82	Mechatronics Fundamentals	3
ELEC 88	Computer Hardware	3
ELEC 153	Programmable Logic Controllers	3
ELEC 180	Lab VIEW for Technicians	3
ELEC 184	Industrial Robotics Fundamentals	3
Total Hours/Units		**26**

Program Student Learning Outcomes

1. Use computers to monitor and regulate processes and equipment, and to generate reports.
2. Analyze, construct, and test automated systems including electronic sensors, mechanical actuators, and computer control.
3. Demonstrate the ability to create Programmable Logic Controllers (PLCs) and microcontroller programs and properly interface them to input and output devices.

4. Understand safety codes and implement safety procedures applicable to usage of industrial equipment in an industrial working environment.

Medical Assisting (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Medical Assisting: Administrative and Clinical Certificate of Achievement prepares students for work in physicians' offices, medical clinics, hospital outpatient clinics, health agencies, and educational institutions. Students completing the program will be eligible to sit for the California Certifying Board for Medical Assistants (CCBMA) exam. This program provides training in both administrative (front office) and clinical (back office) skills.

The duties of a medical assistant vary from office to office, depending on the location and size of the practice and the physician's specialty. In small practices, medical assistants are usually generalists, handling both clerical (administrative) and clinical duties and reporting directly to an office manager or physician. Those in large practices tend to specialize in a particular area under the supervision of department administrators.

Medical assistants perform many clerical (administrative) duties. They answer telephones, greet patients, update and file patient medical records, complete insurance forms, handle correspondence, schedule appointments, arrange hospital admissions and laboratory services, and handle billing and bookkeeping.

Clinical duties vary according to state law. They may include taking and recording vital signs and medical histories, explaining treatment procedures to clients, preparing clients for examinations, and assisting during examinations. Medical assistants collect and prepare laboratory specimens and perform basic laboratory tests on the premises, dispose of contaminated supplies, and sterilize medical instruments. They instruct clients about medication and special diets, prepare and administer medications as directed by a physician, authorize drug refills as directed, telephone prescriptions to a pharmacy, prepare clients for x-rays, take EKG's, remove sutures and change dressings. Job titles include: medical assistant, administrative assistant, clinical medical assistant, hospital unit secretary, insurance claims process, medical transcriptionist, or research assistant.

They may also arrange examining room instruments and equipment, purchase and maintain supplies and equipment, and keep waiting and examining rooms neat and clean.

Medical Assistants with both administrative and clinical skills are increasingly utilized because of their dual skills. The employment outlook is very good for Medical Assistants.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Course Requirements

Code	Title	Hours/ Units
Medical Assisting Core Requirements		
ANAT 140	Fundamentals of Anatomy and Physiology	2
HLC 140	Health Care Implications of Anatomy and Physiology	1.5
HLC 160	Medical Terminology	3
LIR 10	Introduction to Information Literacy	1
MA 160	Introduction to Medical Office Practice	3
MA 161	Law and Ethics for Medical Assistants	1
MA 162	Disease Processes	3
MA 168	Basic Medical Office Insurance Billing	2

Medical Assisting: Administrative and Clinical		
MA 163	Beginning Clinical Skills for Medical Assisting	3
MA 164	Theories of the Clinical Laboratory	2
MA 165	Pharmacology and Administration of Medications	3
MA 167	Basic Diagnostic Coding	2
MA 169	Procedural Coding	2.5
MA 174	Intermediate Clinical Skills for Medical Assisting	4
MA 176	Externship	4.5
PSYC 1000	(PSYC C1000) Introduction to Psychology	3
Total Hours/Units		**40.5**

Notes

All courses must be completed with a "C" or better to receive the certificate.

Program Student Learning Outcomes

1. Demonstrate ability to greet patients, answer telephones, schedule appointments, maintain and filing client medical records, complete insurance forms, arrange hospital admissions and laboratory services, handle billing, bookkeeping, and physician correspondence;
2. Demonstrate ability to perform clinical tasks such as taking and recording vital signs and medical histories, explaining treatment procedures to clients, preparing clients for examinations, and assisting during examinations;
3. Collect and prepare laboratory specimens and perform basic laboratory tests on the premises, dispose of contaminated supplies, and sterilize medical instruments;
4. Present in an instructional manner information about medication and special diets;
5. Demonstrate ability to perform other clinical tasks such as preparing and administering medications as directed by a physician, authorizing drug refills as directed, telephoning prescriptions to a pharmacy, preparing clients for x-rays, taking EKG's, removing sutures and changing dressings; and
6. Arrange examining room instruments and equipment, purchase and maintain supplies and equipment, and keep waiting and examining rooms neat and clean.

Medium Heavy Truck Technology (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Medium Heavy Truck Technology Certificate offers both theoretical and hands-on training, including engine theory, diesel fuel systems, heating ventilation and air conditioning, pollution control systems, electrical systems, drive trains, brake systems, suspension systems, and hydraulic systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice Medium Heavy Truck technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Course Requirements

Code	Title	Hours/ Units
Medium Heavy Truck Technology Requirements		
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2

ATL 110	Internal Combustion Engine Theory and Repair	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
ATL 220	Diesel Fuel Systems	3
ATL 230	Medium Heavy Truck Drivetrain	3
ATL 240	Medium Heavy Truck Brakes and Suspension	3
ATL 290	Mobile Hydraulic Systems	3
MACH 51.1A	Beginning Machine Tool Technology	3
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Select any combination totaling at least 3.00 units from the following:		3
ATL 280	Medium Heavy Truck Preventive Maintenance Inspection	
WEOC 99	Occupational Work Experience	
Total Hours/Units		**37**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Identify engine block assembly components and configurations.
6. Demonstrate the proper steps to remove a cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer's specification and procedure.
7. Demonstrate the proper steps for performing a timing belt replacement and setting the timing belt, crankshaft, and camshafts in proper positions.
8. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
9. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
10. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
11. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
12. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
13. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
14. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.
15. Identify the basic principles of the modern diesel engine.
16. Define the basic troubleshooting of diesel electronic fuel control systems.
17. Inspect, diagnose, and repair heavy duty drivetrain components.
18. Interpret and understand repair manuals for repair of drivetrain components.
19. Evaluate and diagnose medium heavy-duty brake components/ system malfunctions.
20. Evaluate and diagnose medium heavy-duty steering systems.
21. Evaluate and diagnose medium heavy-duty suspension systems.
22. Perform maintenance inspections on agricultural, construction, public transportation, and trucking equipment.
23. Evaluate equipment condition and determine repair options.
24. Describe and interpret hydraulic schematics and repair manuals in relation to hydraulic systems.
25. Demonstrate ability to diagnose and repair hydraulic systems on agricultural and instruction equipment.
26. Demonstrate knowledge of the theory of machining as applied to machine tool techniques.
27. Demonstrate use of tools and equipment in a welding shop per American National Standards Institute (ANSI) safety standards Z49.
28. Perform arc weld from the flat, fillet weld position per American Welding Society (AWS) standards.
29. Perform oxy-acetylene weld on a butt joint, lap joint, fillet joint, and brazing fillet joint per AWS standards.
30. Demonstrate ability to safely use oxy-acetylene cutting torch per AWS standards.

MHT Chassis Tech (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Medium Heavy Truck Technology Certificate offers both theoretical and hands-on training, including electrical systems, drive trains, brake systems, suspension systems, and hydraulic systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice Medium Heavy Truck technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or

3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Medium Heavy Truck Brakes and Chassis Technology - complete 25.00 units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 230	Medium Heavy Truck Drivetrain	3
ATL 240	Medium Heavy Truck Brakes and Suspension	3
ATL 290	Mobile Hydraulic Systems	3
MACH 51.1A	Beginning Machine Tool Technology	3
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Total Hours/Units		**25**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
6. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
7. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
8. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
9. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
10. Inspect, diagnose, and repair heavy duty drivetrain components.
11. Interpret and understand repair manuals for repair of drivetrain components.
12. Evaluate and diagnose medium heavy-duty brake components/ system malfunctions.
13. Evaluate and diagnose medium heavy-duty steering systems.
14. Evaluate and diagnose medium heavy-duty suspension systems.
15. Describe and interpret hydraulic schematics and repair manuals in relation to hydraulic systems.
16. Demonstrate ability to diagnose and repair hydraulic systems on agricultural and instruction equipment.
17. Demonstrate knowledge of the theory of machining as applied to machine tool techniques.
18. Demonstrate use of tools and equipment in a welding shop per American National Standards Institute (ANSI) safety standards Z49.
19. Perform arc weld from the flat, fillet weld position per American Welding Society (AWS) standards.
20. Perform oxy-acetylene weld on a butt joint, lap joint, fillet joint, and brazing fillet joint per AWS standards.
21. Demonstrate ability to safely use oxy-acetylene cutting torch per AWS standards.

MHT Diagnostic Tech (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Medium Heavy Truck Diagnostic Technician Certificate offers both theoretical and hands-on training, including electrical systems, hybrid & electric vehicle systems, hydraulic and autonomous vehicle controls. Course work prepares students to take the Automotive Service

Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as advanced entry-level apprentice Medium Heavy Truck technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Medium Heavy Truck Diagnostic Technician - Complete 26.00 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 111	Electric and Hybrid Vehicle Powertrain Systems	3
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 290	Mobile Hydraulic Systems	3
Select any combination totaling at least 9.00 units from the following:		9
CS 81.41	Programming Essentials in Python for Networking	
ELEC 88	Computer Hardware	
ELEC 153	Programmable Logic Controllers	
ELEC 180	Lab VIEW for Technicians	
Total Hours/Units		**26**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Demonstrate the precautions (personal and shop safety procedures) needed to safely work with high voltage systems.
6. Demonstrate acquired knowledge related to the components used of modern Hybrid/ Electronic vehicles.
7. Demonstrate familiarity with reference materials such as schematics, flow charts, logic trees, and workshop manuals to aid in battery system troubleshooting.
8. Demonstrate how to perform basic maintenance related to hybrid and electric vehicles.
9. Demonstrate how to diagnose a basic hybrid or electric vehicle fault using standard diagnostic equipment.
10. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.
11. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
12. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
13. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
14. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
15. Describe and interpret hydraulic schematics and repair manuals in relation to hydraulic systems.
16. Demonstrate ability to diagnose and repair hydraulic systems on agricultural and instruction equipment.

17. Describe the principles of structured programming and be able to describe, design, implement, and test structured programs using currently accepted methodology.
18. Troubleshoot and repair system components.
19. Establish electronic communication between a programmable logic controller (PLC) and a personal computer.
20. Identify and correct Virtual Instruments program errors.

MHT Foundation Tech (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Medium Heavy Truck Fundamentals Certificate offers both theoretical and hands-on training, that may include: engine theory, diesel fuel systems, heating ventilation and air conditioning, pollution control systems, electrical systems, drive trains, brake systems, suspension systems, and hydraulic systems. Course work prepares students to take the Automotive Service Excellence (ASE) exams. Students enrolling in the program should have the desire and ability to work with their hands, demonstrate critical thinking, possess a high degree of mechanical aptitude, and enjoy working in a shop environment. Program completers should be able to find employment as entry-level apprentice Medium Heavy Truck technicians.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Medium Heavy Truck Fundamentals - Complete 19.00 Units

Code	Title	Hours/ Units
ATL 101	Transportation Information Systems and Shop Practices	3
ATL 105	Service Writing and Shop Management	2
ATL 161	Mobile Electrical Systems 1	3
ATL 162	Mobile Electrical Systems 2	3
ATL 170	Mobile Heating and Air Conditioning Systems	3
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Select any combination totaling at least 3.00 units from the following:		3
ATL 220	Diesel Fuel Systems	
ATL 230	Medium Heavy Truck Drivetrain	
ATL 240	Medium Heavy Truck Brakes and Suspension	
ATL 280	Medium Heavy Truck Preventive Maintenance Inspection	
ATL 290	Mobile Hydraulic Systems	
WEOC 99	Occupational Work Experience	
Total Hours/Units		**19**

Program Student Learning Outcomes

1. Demonstrate the correct use of safety procedures utilized by a mobile equipment repair technician.
2. Locate and interpret technical manuals from online computerized databases.
3. Demonstrate the appropriate use and maintenance of hand, shop, and precision tools.
4. Prepare initial, revised, and final repair orders in compliance with California law (BAR).
5. Demonstrate the proper use of a Digital Multimeter (DMM) during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance.

6. Analyze and diagnose a mobile equipment charging system using appropriate electrical tools and equipment.
7. Analyze and diagnose a mobile equipment starting system using appropriate electrical tools and equipment.
8. Analyze and diagnose a mobile equipment low-voltage battery system using appropriate electrical tools and equipment.
9. Test the Controller Area Network (CAN) BUS system signal with a Digital Storage Oscilloscope (DSO). Set up the DSO to capture the CAN hi (+) and CAN lo (-) signals.
10. Identify and describe the theory, service, and repair of common types of automotive heating and air conditioning systems.
11. Use industry standard recovery, recycling, and recharging equipment to diagnose and service automotive air conditioning systems.
12. Demonstrate use of tools and equipment in a welding shop per American National Standards Institute (ANSI) safety standards Z49.
13. Perform arc weld from the flat, fillet weld position per American Welding Society (AWS) standards.
14. Perform oxy-acetylene weld on a butt joint, lap joint, fillet joint, and brazing fillet joint per AWS standards.
15. Demonstrate ability to safely use oxy-acetylene cutting torch per AWS standards.
16. Identify the basic principles of the modern diesel engine.
17. Define the basic troubleshooting of diesel electronic fuel control systems.
18. Inspect, diagnose, and repair heavy duty drivetrain components.
19. Interpret and understand repair manuals for repair of drivetrain components.
20. Evaluate and diagnose medium heavy-duty brake components/ system malfunctions.
21. Evaluate and diagnose medium heavy-duty steering systems.
22. Evaluate and diagnose medium heavy-duty suspension systems.
23. Perform maintenance inspections on agricultural, construction, public transportation, and trucking equipment.
24. Evaluate equipment condition and determine repair options.
25. Describe and interpret hydraulic schematics and repair manuals in relation to hydraulic systems.
26. Demonstrate ability to diagnose and repair hydraulic systems on agricultural and instruction equipment.

Natural Resources (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Natural Resources Certificate of Achievement is designed for individuals who wish to acquire specific skills and knowledge necessary for successful job performance for the natural resources technician.

The work of a natural resources technician supports and complements that of a professional forester, park manager and the professional watershed manager. The principal duties of the technicians involve the work in open spaces, parks, rivers and forests. Typical work may include duties related to reforestation, range management, research and extension work, watershed restoration and park management work.

Population growth and the diverse natural resource base in California have created a demand for individuals trained in natural resource conservation. This program is designed to equip individuals with skills to make a positive impact on the sustainable use of natural resources.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Natural Resources Core Requirements - Complete 20.00 Units

Code	Title	Hours/ Units
Select any combination totaling at least 20.00 units from the following:		20
AGRI 20	Introduction to Plant Science	
AGRI 30	Introduction to Soil Science	
HORT 70	Plant Propagation	
HORT 72	Techniques in Plant Propagation	
HORT 184	Introduction to Arboriculture	
NRM 12	Introduction to Environmental Conservation	
NRM 51	Wildland Trees and Shrubs	
NRM 70	Forest Management and Assessment	
NRM 80	Environmental Policy for Resource Managers	
NRM 84	Introduction to Fish and Wildlife Conservation	
NRM 86	Watershed Resource Management	
NRM 87	Geographic Info. Systems Applications in Natural Resources	
NRM 88	Watershed Ecology and Restoration	
NRM 91	Rangeland Management in a Changing Climate	
NRM 99I	Natural Resources Management Internship	
NRM 132	Chainsaw Safe Operation and Care	
NRM 133	Current Topics in Natural Resources	
NRM 145A	Stewardship Practices for Wildfire Resilience: Level 1	
NRM 145B	Stewardship Practices for Wildfire Resilience: Level 2	
NRM 173	Range Plants of Sonoma County	
Total Hours/Units		**20**

Program Student Learning Outcomes

1. Identify and discuss historical approaches to Natural Resource Management in the U.S.;
2. Develop and use vocabulary for the protection, cultivation and management of wildlands;
3. Discuss economic benefits to protecting healthy watershed characteristics including: recreation opportunities, biological diversity, species richness and clean water;
4. Critically analyze and apply research and extension work in the field of watershed, park management, and forestry; and
5. Identify best management practices strategies for managing land and recreational areas.

Paralegal Studies (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Santa Rosa Junior College Paralegal Studies Certificate is a program for students seeking employment in the legal field and in business. The curriculum blends an understanding of legal theory and practical skills, based on actual paralegal job responsibilities. Classes are taught by practicing attorneys and paralegals primarily online in either synchronous or asynchronous formats.

The guiding principles of the program are two-fold: to offer a curriculum that teaches the practical applications of legal theory and to advance the paralegal profession by offering a rigorous course of study that develops resourceful legal problem solvers. By completing this program, students will have met the educational requirements for paralegals as stated in the California Business and Professions Code, commencing with section 6450.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Paralegal Studies Core Requirement		
PLS 50	Introduction to Paralegal Studies	3
PLS 51	Legal Research	3
PLS 52	Legal Writing	3
PLS 53	Civil Procedure: Pleadings	3
PLS 54	Civil Procedure: Discovery	3
PLS 55	Legal Ethics	2
BGN 71	Business English Grammar	3
PLS 56	Civil Litigation and Discovery Practices and Procedures	3
PLS 57	Legal Professions	1
CS 60.1A	Microsoft Word, Part 1	1.5
CS 61.1A	Microsoft Excel, Part 1	1.5
Paralegal Studies Elective		
Select any combination totaling at least 7.00 units from the following:		7
BAD 18	The Legal Environment of Business	
BAD 62	Intellectual Property Law	
HR 61	Human Resource Employment Law	
PLS 60	Legal Calendaring	
PLS 62	Torts	
PLS 63	Contracts	
PLS 64	The American Jury System	
PLS 65	Law Office Technology	
PLS 66	Wills, Trusts and Estate Planning	
PLS 67	Family Law	
RE 55	Legal Aspects of Real Estate	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**34**

Program Student Learning Outcomes

1. Locate statutes and case law by researching legal issues;
2. Compose legal documents and complete mandated legal court forms;
3. Apply learned critical thinking and analytical skills to client matters;
4. Compile and organize materials efficiently for trials;
5. Interview witnesses and conduct investigations on the behalf of clients; and
6. Complete specific, substantive tasks as delegated by the supervising attorney.

Paramedic (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Paramedic Certificate of Achievement program provides technical and practical knowledge and skills to meet the requirements of the California Administrative Code to gain licensure as a paramedic by the California State Emergency Medical Services Authority. Students must be 18 years of age to enter the program and be a California Certified EMT or NREMT certificate EMT (Title 22, Section 100157).

The paramedic functions as an extension of the emergency department physician. The paramedic is responsible for the assessment, treatment and stabilization of the sick or injured patient utilizing advanced life support equipment and techniques at the scene of the incident and en-route to the medical facility. Specific responsibilities include: patient interviewing, physical examination, critical decision making, cardiac monitoring and interpretation, defibrillation, intravenous therapy, drug therapy, intervention in emotional crises and advanced airway management. Functional job analysis mandates a paramedic must be in good physical condition and able to lift, carry and balance objects in excess of 125 lbs. They must be able to receive and interpret oral and written communication in a timely manner.

Employment of Paramedics is expected to be above the average growth for all occupations primarily because of the rapidly expanding aging population. The role of the paramedic continues to evolve, with placement in mobile support mental health teams, post-discharge case management and other nonemergency situations.

Certification Note:
All public safety positions have legal requirements and background qualifications. Certain criminal violations may disqualify a candidate for licensure (refer to CA Health and Safety, Title 22, Chapter 4).

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning

& Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Program Selection Process

Please see the Public Safety (https://pstc.santarosa.edu/) department website for more information about entering the program. A current EMT-1 certificate is required to enter this program.

Paramedic Certificate - complete 51.75 units

Code	Title	Hours/ Units
Paramedic Prerequisites		
ANAT 40	Introduction to Human Anatomy and Physiology	4
EMC 103	Emergency Medical Technician	7.5
EMC 109	Introduction to Paramedic	0.25
EMC 114	Basic Arrhythmia Recognition Course	2
Paramedic Core Requirements		
EMC 131A	Paramedic Clinical Practicum 1	2
EMC 131B	Paramedic Clinical Practicum 2	2
EMC 161	Paramedic Theory I	8
EMC 161L	Paramedic Laboratory I	4
EMC 162	Paramedic Theory II	8
EMC 162L	Paramedic Laboratory II	4
EMC 134	Paramedic Field Practicum	10
Total Hours/Units		**51.75**

Notes

Students participating in the program must have the following:

High school diploma/GED
Current EMT- 1 certificate
Current health care provider CPR certification
Current immunizations (MMR, Tetanus, Hepatitis B, negative TB Skin test)
Evidence of good health verified by a physical examination
Background clearance

EMC program staff registers students into EMC 161 Paramedic Theory I/EMC 161L Paramedic Laboratory I after enrollment is complete. Students are unable to enroll independently.

EMC 109 Introduction to Paramedic is taken in the Fall before the Paramedic Academy begins. Enrollment into EMC 109 Introduction to Paramedic is based on approval from EMC Program.

EMC 161 Paramedic Theory I/EMC 161L Paramedic Laboratory I begins in Spring semester.

Outside coursework for EMC 114 Basic Arrhythmia Recognition Course and ANAT 40 Introduction to Human Anatomy and Physiology may be accepted for application to the Paramedic Academy. Determination of acceptance is made on a case by case basis. Prospective students should review the student learning objectives for each course and compare them to the outside coursework prior to taking the class(es).

ANAT 58 Introduction to Human Anatomy may be considered as a substitute for ANAT 40 Introduction to Human Anatomy and Physiology

Program Student Learning Outcomes

1. Complete the National Registry computer adaptive exam; and
2. Demonstrate professional behavior consistent for employment as a licensed paramedic.

PC 832 Arrest (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This single-course Skills Certificate is an introduction to criminal law, laws of arrest, search and seizure and basic law enforcement principles and practices. It fulfills the arrest component of the training mandated by California Penal Code Section 832 (PC 832) for employment as a peace officer. The course is certified by the California Commission on Peace Officer Standards and Training (POST) and the State Standards and Training for Corrections Program (STC).

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Penal Code 832 Powers of Arrest - Complete 0.75 Units

Code	Title	Hours/ Units
AJ 355	Penal Code 832 Powers of Arrest	0.75

Program Student Learning Outcomes

1. Describe the role and responsibilities of a peace officer in the State of California;
2. Describe the role of arrest in the criminal justice system.

Pharmacy Technician (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Pharmacy Technician Certificate of Achievement prepares students to be registered pharmacy technicians and for employment in a variety of pharmacy settings. Upon successful completion of the program, students will be awarded the Pharmacy Technician certificate and are qualified to apply to the California State Board of Pharmacy for registration as a pharmacy technician. Registration is a legal requirement for employment. Graduates of the certificate program are also encouraged to sit for the National Pharmacy Technician Certification Exam. While not currently a state requirement for employment, many employers provide increased compensation to pharmacy technicians once they become nationally certified.

For students interested in an Associate Degree, a Pharmacy Technician major (http://portal.santarosa.edu/SRWeb/SR_ProgramOfStudy.aspx?ProgramType=2&Program=002009) is available.

Pharmacy technicians work under the supervision of licensed pharmacists to perform technical duties in the systematic operation of the pharmacy--providing health care services and medications to patients. Technicians may perform many of the same duties as pharmacists; however, all of a technician's work must be checked by a pharmacist before medicine can be dispensed to a patient.

Duties may include, but are not limited to: 1) compounding (measuring, weighing, and mixing) medicinal drugs; 2) preparing and labeling medicines; 3) filling bottles and capsules with the correct quantity of medicine; 4) issuing medicines to customers; 5) stocking and taking inventory of prescription and over the counter medications; 6) maintaining patients' medication profiles on computerized or written records or forms; 7) filling orders for unit doses and prepackaged pharmaceuticals; and 8) preparing insurance claim forms. Depending on the position, the technician may also manage third party billing, answer telephones, direct customers to items or to the pharmacist for medication consultation, receive written prescriptions, clean and sterilize dispensing bottles and instruments, answer questions regarding non-drug products, and operate a cash register. Since pharmacy technicians interact daily with co-workers, patients and health care professionals, good communication and interpersonal skills are essential.

A licensed pharmacy technician can find employment in retail pharmacies, hospital pharmacies, home health care pharmacies, nursing home pharmacies, clinic pharmacies, mail order prescription pharmacies, and with pharmaceutical companies. Employment opportunities for graduates of community college Pharmacy Technician programs are excellent. Changes in the California State Pharmacy Law requiring registration have created an increasing demand for trained pharmacy technicians.

Successful completion of the Pharmacy Technician Program qualifies the student to apply to the California State Board of Pharmacy for licensure as a pharmacy technician, which is a legal requirement for employment. Graduates are encouraged to sit for the National Pharmacy Technician Certification Exam. Currently not a requirement, many employers provide increased compensation to pharmacy technicians once they become nationally certified.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Pharmacy Technician Requirements - Complete 19.50 Units

Code	Title	Hours/ Units
PHT 102	Pharmaceutical Calculations for the Pharmacy Technician	2
PHT 103	Critical Thinking and Management Skills for the Pharm Tech	2
PHT 150	Introduction to Pharmacy Technician	3
PHT 152	Ambulatory Pharmacy Practice	2
PHT 154A	Retail Externship 1	1
PHT 154B	Retail Externship 2	2
PHT 155	Pharmacology	4
PHT 156	Dispensing and Compounding	2.5
PHT 157	Hospital Pharmacy Practice for the Pharmacy Technician	0.5
PHT 157L	Hospital Pharmacy Externship	0.5
Total Hours/Units		**19.5**

Notes

Licensure Note: The California State Board of Pharmacy may deny licensure for felony or misdemeanor offences. It is the responsibility of the student to present sufficient evidence of rehabilitation prior to licensure and/or secure a pre-application process with the Board, independent to the program admission application.

Other Notes

- All courses must be completed with a "C" or better.
- PHT 150 (delivered online) is only offered in the Summer semester and it is suggested that students take CSKL 334, before enrolling for PHT 150.

Program Student Learning Outcomes

Pilates Apparatus Instructor (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Pilates Apparatus Instructor Certificate prepares students to instruct Pilates Apparatus exercises in group classes and one-on-one private or semi-private training sessions at health clubs, fitness and wellness centers, community centers, corporate settings, or private studios. The program includes instruction in the principles, techniques, teaching skills, history, and movement theory behind Pilates training in addition to applied kinesiology and anatomy. Students are required to complete and document personal Pilates sessions, observation hours, and student teaching hours.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.

3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Pilates Apparatus Instructor Requirements - Complete 8.00 Units

Code	Title	Hours/ Units
KIN 80	Introduction to Applied Kinesiology and Anatomy	3
KIN 90	Pilates Teaching Methodology and Principles	2
KIN 93	Pilates Apparatus Instructor Training	2
KIN 50.5	Pilates Apparatus Teaching Practicum	1
or WEE 99I	Internship Work Experience Education	
Total Hours/Units		**8**

Program Student Learning Outcomes

1. Identify and explain Pilates movement principles and applied kinesiology and anatomy fundamentals.
2. Demonstrate safe and effective use, instruction, and programming for teaching Pilates Apparatus to diverse populations, age ranges, and ability levels.
3. Utilize inclusive and effective communication and teaching skills through clear demonstration, appropriate verbal cueing, and proper use of Pilates terminology for a wide variety of participants.

Pilates Comprehensive Instruct (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Pilates Comprehensive Instructor Certificate prepares students to instruct the complete repertoire of Pilates Mat, Reformer, and Apparatus equipment exercises in group classes and one-on-one private or semi-private training sessions at health clubs, fitness and wellness centers, community centers, corporate settings, or private studios. The program includes instruction in the principles, techniques, teaching skills, history, and movement theory behind Pilates training in addition to applied kinesiology and anatomy. Students are required to complete and document personal Pilates sessions, observation hours, and student teaching hours.

Students 18 years of age or older who complete Santa Rosa Junior College's Pilates Comprehensive Instructor Certificate (16 units) are prepared to take the National Pilates Certification Exam.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Pilates Comprehensive Instructor Requirements - Complete 16.00 Units

Code	Title	Hours/ Units
KIN 80	Introduction to Applied Kinesiology and Anatomy	3
KIN 90	Pilates Teaching Methodology and Principles	2
KIN 91	Pilates Mat Instructor Training	3
KIN 92	Pilates Reformer Instructor Training	3
KIN 93	Pilates Apparatus Instructor Training	2
Select any combination totaling at least 1.00 unit from the following:		1
KIN 50.3	Pilates Mat Teaching Practicum	
WEE 99I	Internship Work Experience Education	
Select any combination totaling at least 1.00 unit from the following:		1
KIN 50.4	Pilates Reformer Teaching Practicum	
WEE 99I	Internship Work Experience Education	
Select any combination totaling at least 1.00 unit from the following:		1
KIN 50.5	Pilates Apparatus Teaching Practicum	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**16**

Program Student Learning Outcomes

1. Identify and explain Pilates movement principles and applied kinesiology and anatomy fundamentals.
2. Demonstrate safe and effective use, instruction, and programming for teaching Pilates mat, reformer and apparatus equipment to diverse populations, age ranges, and ability levels.
3. Utilize inclusive and effective communication and teaching skills through clear demonstration, appropriate verbal cueing, and proper use of Pilates terminology for a wide variety of participants.

Pilates Mat Instructor (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Pilates Mat Instructor Certificate prepares students to instruct Pilates Mat exercises in group classes and one-on-one private or semi-private training sessions at health clubs, fitness and wellness centers, community centers, corporate settings, or private studios. The program includes instruction in the principles, techniques, teaching skills, history, and movement theory behind Pilates training in addition to applied kinesiology and anatomy. Students are required to complete and document personal Pilates Mat sessions, observation hours, and student teaching hours.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Pilates Mat Instructor Requirements - Complete 9.00 Units

Code	Title	Hours/ Units
KIN 80	Introduction to Applied Kinesiology and Anatomy	3
KIN 90	Pilates Teaching Methodology and Principles	2
KIN 91	Pilates Mat Instructor Training	3
Select any combination totaling at least 1.00 unit from the following:		1
KIN 50.3	Pilates Mat Teaching Practicum	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Identify and explain Pilates movement principles and applied kinesiology and anatomy fundamentals.
2. Demonstrate safe and effective use, instruction, and programming for teaching Pilates Mat to diverse populations, age ranges, and ability levels.
3. Utilize inclusive and effective communication and teaching skills through clear demonstration, appropriate verbal cueing, and proper use of Pilates terminology for a wide variety of participants.

Pilates Reformer Instructor (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Pilates Reformer Instructor Certificate prepares students to instruct Pilates Reformer exercises in group classes and one-on-one private or semi-private training sessions at health clubs, fitness and wellness centers, community centers, corporate settings, or private studios. The program includes instruction in the principles, techniques, teaching skills, history, and movement theory behind Pilates training in addition to applied kinesiology and anatomy. Students are required to complete and document personal Pilates Reformer sessions, observation hours, and student teaching hours.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Pilates Reformer Instructor Requirements - Complete 9.00 Units

Code	Title	Hours/ Units
KIN 80	Introduction to Applied Kinesiology and Anatomy	3
KIN 90	Pilates Teaching Methodology and Principles	2
KIN 92	Pilates Reformer Instructor Training	3
Select any combination totaling at least 1.00 unit from the following:		1
KIN 50.4	Pilates Reformer Teaching Practicum	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Identify and explain Pilates movement principles and applied kinesiology and anatomy fundamentals.
2. Demonstrate safe and effective use, instruction, and programming for teaching Pilates Reformer to diverse populations, age ranges, and ability levels.
3. Utilize inclusive and effective communication and teaching skills through clear demonstration, appropriate verbal cueing, and proper use of Pilates terminology for a wide variety of participants.

Plumbing & HVAC Apprentice (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students accepted into the Apprenticeship: Plumbing, HVAC/ Refrigeration program will be paid while receiving on-the-job training, starting out making a percentage of the Union journey-level wage and receiving pay increases at the end of each six-month training period.

Completion of the program takes a minimum of five years. The years are broken down into ten (10) periods. During this time, you will receive on-the-job training.

Students will also be required to attend related and supplemental instructional classes in the evenings, two nights per week (with summers off).

Apprenticeship program graduates gain the skills and knowledge they need to count themselves among the very best plumbers, steam fitters, refrigeration and air conditioning mechanics in the world.

You can find more information about the application process, training, and career opportunities here: U.A. Local 38 web site http://www.ualocal38.org/.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Apprenticeship: Plumbing, HVAC/ Refrigeration - Complete 40.00 Units

Code	Title	Hours/ Units
APED 360	Apprentice Plumbers, HVAC/Refrigeration, First Semester	4
APED 361	Apprentice Plumbers, HVAC/Refrigeration, Second Semester	4
APED 362	Apprentice Plumbers, HVAC/Refrigeration, Third Semester	4
APED 363	Apprentice Plumbers, HVAC/Refrigeration, Fourth Semester	4
APED 364	Apprentice Plumbers, HVAC/Refrigeration, Fifth Semester	4
APED 365	Apprentice Plumbers, HVAC/Refrigeration, Sixth Semester	4
APED 366	Apprentice Plumbers, HVAC/Refrigeration, Seventh Semester	4
APED 367	Apprentice Plumbers, HVAC/Refrigeration, Eighth Semester	4
APED 368	Apprentice Plumbers, HVAC/Refrigeration, Ninth Semester	4
APED 369	Apprentice Plumbers, HVAC/Refrigeration, Tenth Semester	4
Total Hours/Units		**40**

Program Student Learning Outcomes

1. Describe and demonstrate electrical/ plumbing principles and regulations related to heating, ventilation, air conditioning, and refrigeration trade.
2. Apply best practices in practical environment related to heating, ventilation, air conditioning, and refrigeration trade.

Plumbing & Pipe Fit Apprentice (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students accepted into the Apprenticeship: Plumbing & Pipe Fitting program will be paid while receiving on-the-job training, starting out making a percentage of the Union journey-level wage and receiving pay increases at the end of each six-month training period.

Completion of the program takes a minimum of five years. The years are broken down into ten (10) periods. During this time, you will receive on-the-job training.

Students will also be required to attend related and supplemental instructional classes in the evenings, two nights per week (with summers off).

Apprenticeship program graduates gain the skills and knowledge they need to count themselves among the very best plumbers, steam fitters, refrigeration and air conditioning mechanics in the world.

You can find more information about the application process, training, and career opportunities here: U.A. Local 38 web site http://www.ualocal38.org/.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Apprenticeship: Plumbing & Pipe Fitting - Complete 20.00 Units

Code	Title	Hours/ Units
APED 345	Apprentice Plumbers, First Semester	2
APED 346	Apprentice Plumbers, Second Semester	2
APED 347	Apprentice Plumbers, Third Semester	2
APED 348	Apprentice Plumbers, Fourth Semester	2
APED 349	Apprentice Plumbers, Fifth Semester	2
APED 355	Apprentice Plumbers, Sixth Semester	2
APED 356	Apprentice Plumbers, Seventh Semester	2
APED 357	Apprentice Plumbers, Eighth Semester	2
APED 358	Apprentice Plumbers, Ninth Semester	2
APED 359	Apprentice Plumbers, Tenth Semester	2
Total Hours/Units		**20**

Program Student Learning Outcomes

1. Describe and demonstrate plumbing principles and regulations related to the plumbing and pipefitting trade.
2. Demonstrate knowledge of theory and regulations of plumbers and pipefitters' trade.
3. Apply best practices in practical environment related to the plumbing and pipefitting trade.

Public Safety Dispatcher (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Public Safety Dispatcher Skills Certificate covers the training necessary for entry level public safety dispatchers who have no prior training or limited experience in the area of dispatching. Issues addressed consist of knowledge and skills necessary for dispatchers to meet minimum performance standards for entry level positions. The student will be introduced to the criminal justice system, the laws as they pertain to dispatchers and public safety, communication theory, telephone procedures, radio procedures, resource and referral services, critical incidents, and stress management.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Public Safety Dispatcher Requirements

Code	Title	Hours/ Units
AJ 353	Public Safety Dispatcher Basic Course	3
Total Hours/Units		**3**

Program Student Learning Outcomes

1. Meet the minimum standards set by the California Commission on Peace Officer Standards and Training (POST) for entry into a public safety agency as a public safety dispatcher;
2. Identify the basic roles, responsibilities, and duties of the public safety dispatcher within the public safety agency;
3. Demonstrate the practical application of the public safety dispatcher skills; and
4. Apply the skills and knowledge necessary to work in a public safety communications center in a productive and professional manner.

Radiologic Technology (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Radiologic Technology Certificate of Achievement provides training in the operation of X-ray and computer equipment, performance of radiological procedures, creating and processing radiographs, experience in other advanced imaging modalities, and radiation protection. A minimum of 1,850 clinical hours is required in hospitals and radiology departments affiliated with Santa Rosa Junior College. Elective clinical experience in other modalities is available. The SRJC program, accredited by the Joint Review Committee on Education in Radiologic Technology, is approved by the California State Department of Public Health - Radiologic Health Branch.

Upon successful program completion, eligible graduates (contact individual health care agencies for specific criteria and pre-application review process) will be allowed to sit for examinations administered by the American Registry of Radiologic Technologists and the California State Department of Public Health - Radiologic Health Branch.

The radiologic technologist provides patient services using imaging equipment, and assists radiologists or other physicians qualified to order and or perform radiologic procedures. The radiologic technologist's main duty is to provide quality patient care while applying critical thinking and knowledge of sciences, positioning, radiation protection, and radiographic technique. Effective communication with patients, other health professionals and the public is important. Additional duties may include management of images, manipulating radiologic software and hardware infrastructure, performing quality assurance procedures and providing patient education relevant to specific imaging procedures.

The employment outlook for radiologic technologists is very good. The growth in job opportunities is a result of the growth in healthcare industries and new uses of diagnostic imaging and therapeutic technology.

Licensure Note:
The American Registry of Radiologic Technologists may deny licensure for felony or misdemeanor offences. It is the responsibility of the student to present sufficient evidence of rehabilitation prior to licensure and/ or secure a pre-application process with the ARRT, independent to the program admission application.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Program Selection Process

Applicants who have completed all of the program prerequisites by the deadline of the application year will be qualified for the lottery selection process. Please contact the Health Science Department for information about entering the program.

Code	Title	Hours/ Units
Radiologic Technology Prerequisites		
CS 5	Computer Literacy	3
HLC 160	Medical Terminology	3
RADT 100	Survey of Medical Imaging	2
ENGL 1000	(ENGL C1000) Academic Reading and Writing	4
or EMLS 10	College Composition for Multilingual Students	
ANAT 1	General Human Anatomy	3
or ANAT 58	Introduction to Human Anatomy	
PHYZ 1	Human Physiology	3
or PHYZ 58	Introduction to Human Physiology	
Select any combination totaling at least 3.00 units from the following:		3
COMM 7	Intercultural Communication	
COMM 1000 & HIST 21	(COMM C1000) Introduction to Public Speaking and Race, Ethnicity and Gender in American Culture	
COMM 1000 & HUM 6	(COMM C1000) Introduction to Public Speaking and Humanities in the United States	
COMM 1000 & PSYC 34	(COMM C1000) Introduction to Public Speaking and The Psychology of Prejudice and Discrimination	
COMM 1000 & SOC 30	(COMM C1000) Introduction to Public Speaking and Race, Ethnicity, and Inequality	
COMM 6 & HIST 21	Interpersonal Communication and Race, Ethnicity and Gender in American Culture	
COMM 6 & HUM 6	Interpersonal Communication and Humanities in the United States	
COMM 6 & PSYC 34	Interpersonal Communication and The Psychology of Prejudice and Discrimination	
COMM 6 & SOC 30	Interpersonal Communication and Race, Ethnicity, and Inequality	
COMM 4 & HIST 21	Survey of Communication and Race, Ethnicity and Gender in American Culture	
COMM 4 & HUM 6	Survey of Communication and Humanities in the United States	
COMM 4 & PSYC 34	Survey of Communication and The Psychology of Prejudice and Discrimination	
COMM 4 & SOC 30	Survey of Communication and Race, Ethnicity, and Inequality	
Select any combination totaling at least 3.00 units from the following:		3
MATH 10	Nature of Mathematics	
STAT 1000	(STAT C1000) Introduction to Statistics	
PSYC 9	Introduction to Behavioral Sciences Statistics	
Any higher level math course will satisfy requirement		
Select any combination totaling at least 3.00 units from the following:		3
PSYC 1000	(PSYC C1000) Introduction to Psychology	
PSYC 8	Introduction to Lifespan Psychology	
PSYC 30	Social Psychology	
PSYC 46	Aging, Dying and Death	
Radiologic Technology Requirements - - complete 70.00 units		
RADT 60	Introduction to Radiologic Technology	2
RADT 61A	Radiographic Positioning 1	4
RADT 61B	Radiographic Positioning 2	3
RADT 61C	Radiographic Positioning 3	1
RADT 63A	Radiation Physics and Medical Imaging Systems	3
RADT 63B	Radiobiology, Radiation Protection, and Quality Control	3
RADT 64	Patient Care in Radiology	3
RADT 64L	Patient Care in Radiology Laboratory	2
RADT 65	Pathology in Radiology	3.5
RADT 66	Special Modalities	4
RADT 68	Preparation for Professional Practice	3

RADT 69	Medical Law and Professional Ethics in Radiologic Technology	3
RADT 71A	Clinical Experience 1	6
RADT 71B	Clinical Experience 2	6
RADT 71C	Clinical Experience 3	2.5
RADT 71D	Clinical Experience 4	8.5
RADT 71E	Clinical Experience 5	8.5
RADT 71F	Clinical Experience 6	4
Total Hours/Units		**97**

Program Requirements Notes

Program prerequisites are put in place by external accreditation and regulatory agencies and are not subject to catalog rights. Starting Fall 2009, only college transferable reading and composition courses (English 1A or equivalent) will be accepted to fulfill the English prerequisite requirement. Completion of all prerequisites must show on official transcripts. Listing of articulated classes are available for review: Articulation Agreements (https://articulation.santarosa.edu/california-community-colleges).

Starting in 2015, the American Registry of Radiologic Technologists will require an Associate Degree as eligibility to sit for the licensing examination. Therefore, the SRJC Radiologic Technology Program strongly urges all applicants who do not possess an Associate Degree or higher, to complete all of the general education requirements for an Associate of Science degree prior to admission to the program in Fall 2013. The program prerequisites only fulfill the graduation requirements in areas A, B, C, D, and G for students using the Option A General Education Pattern.

Recency: applies to Anatomy and Medical Terminology only. Recency is five years preceding the year of application closing.

Notes

Accepted students must successfully pass a criminal background check (paid by students) that will require social security numbers.

All program classes and prerequisites taken in conjunction with this program must be completed with a letter grade of 'C' or better.

For students interested in pursuing mammography we offer RADT 102 Mammography for Radiologic Technology

Program Student Learning Outcomes

1. Apply radiation safety measures;
2. Perform positioning skills with accuracy;
3. Analyze radiographic images;
4. Adapt to non-routine patients;
5. Demonstrate oral communication skills;
6. Practice written communication skills;
7. Demonstrate professional ethics; and
8. Practice professionalism in the medical environment.

Residential Elect. Apprentice (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Students accepted into the Residential Electricians' Trade program is a three-year apprenticeship that consists of 4,800 hours of on-the-job training (OJT) and 480 hours of classroom instruction.

While completing the Residential Electricians' Trade Certificate, apprentices are paid while they work and learn. Application and acceptance into the Redwood Empire Electrical Training Center is a requirement to start this program.

You can find more information about the application process, training, and career opportunities here: https://apprentice.rejatc.org/

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all

students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Apprenticeship: Residential Electrician - Complete 21.00 Units

Code	Title	Hours/ Units
APED 221.1	Electrician Apprentice Residential Wiring, 1st Semester	3.5
APED 221.2	Electrician Apprentice Residential Wiring, 2nd Semester	3.5
APED 221.3	Electrician Apprentice Residential Wiring, 3rd Semester	3.5
APED 221.4	Electrician Apprentice Residential Wiring, 4th Semester	3.5
APED 221.5	Electrician Apprentice Residential Wiring, 5th Semester	3.5
APED 221.6	Electrician Apprentice Residential Wiring, 6th Semester	3.5
Total Hours/Units		**21**

Program Student Learning Outcomes

1. Describe and demonstrate electrical principles and regulations related to Residential Electricians' trade.
2. Demonstrate knowledge of theory and regulations of Residential Electricians' trade.
3. Apply best practices in practical environment related to Residential Electricians' trade.

Signal Technician (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Signal Technician certificate of achievement will train students to repair, test, adjust, and install electronic equipment, such as industrial controls, transmitters, and antennas. Course requirements will cover assembly, testing, and troubleshooting of automation devices as well as programmable logic controller programs, their installation and related maintenance.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Signal Technician Requirements - Complete 20.00 Units

Code	Title	Hours/ Units
ELEC 54A	Direct and Alternating Current Theory	3
ELEC 54B	Fundamentals of Electronic Devices	3
ELEC 64A	Electronic Construction 1	2
ELEC 88	Computer Hardware	3
ELEC 153	Programmable Logic Controllers	3
ELEC 167	Radio Frequency and Wireless Communications	3
ELEC 180	Lab VIEW for Technicians	3
Total Hours/Units		**20**

Program Student Learning Outcomes

1. Evaluate transmission signals, transmission lines, and antennas.
2. Analyze and measure the characteristics of typical DC and AC circuits.
3. Apply multimeter and oscilloscope measurement techniques to solid state circuits.
4. Build an electronic device using a schematic and device specifications.
5. Install and test the operation of a ladder logic Program for a PLC.
6. Design and program LabVIEW virtual instruments.

SRJC Local GE (AA/AS) Pattern (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The General Education Option A: Local Certificate of Achievement is designed for students wishing to complete local general education requirements without transferring to a four year institution.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

General Education Option A - Complete 23.00 Units

See Option A General Education Worksheet for program requirements (https://articulation.santarosa.edu/sites/articulation.santarosa.edu/files/documents/Local%20GE%20%20Worksheet%20%2026-27%20REV%206.15.26.pdf)

Program Student Learning Outcomes

1. Communicate effectively, both verbally and in writing.
2. Critically analyze and solve problems.
3. Organize and present information in person in a logical and understandable manner.

Surveying Technology (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Surveying Technology Program *"How does your future measure up?"*
The Surveying Technology Certificate of Achievement prepares students for a variety of technical positions in the surveying and mapping professions. The program recommended course sequence is set up to allow the student to progress through four semesters and achieve a Certificate of Achievement or an Associate’s Degree. This program also prepares students to transfer to university to further their studies in surveying or geomatics.

A career in surveying?
In general, people who like surveying also like math—primarily geometry and trigonometry. The field attracts people with geology, forestry, history, engineering, computer science, and astronomy backgrounds, too. Surveying curriculum includes courses in algebra, geometry, trigonometry, computer aided drafting (CAD), geospatial technology (GIS), geography and computer science.

What is surveying?
Land surveying is crucial to responsible land development. Land surveyors work with engineers, architects and builders to produce precise descriptions (surveys and maps) of surface features of the Earth. Land

surveyors perform a variety of vital tasks such as boundary surveys, topographic mapping and construction staking.

What do surveyors do?
Many people think that surveyors only conduct fieldwork. Surveyors can choose from many specialties and get involved at many stages of a project. Sometimes a surveyor may work in the field and then deliver the data to a surveyor who works in the office. The office-based surveyor analyzes the data, creates maps and other documents.

Today's Technology
Land surveyors need to be current with emerging technologies such as GPS (Global Positioning System), 3D laser scanning and digital photography. GPS is used for precise positioning of points anywhere on the earth that are used in a wide variety of mapping procedures. In general, the main function of a land surveyor is measuring and mapping the earth's surface through the use of current technologies and softwares.

Career Options
Land surveying is a career field in high demand throughout industry, government and the private sector. As a land surveyor you will provide services for planned communities, schools, shopping centers, highway projects and more.

The Bureau of Labor Statistics expects job opportunities in the surveying field to grow steadily through 2014, and the areas of urban planning, architecture, construction, and disaster and emergency planning will be particularly strong.

The following is an example of the career path for the Surveying Technology Certificate: Note that some positions require licensing or certification by the state, not just a degree or certificate of completion.

Land Surveying Career Ladder

- Principal Land Surveyor (Owner or Principal in company, Professional Land Surveyor License)
- Land Surveying Coordinator/Manager (Supervisor, PLS License)
- Associate Land Surveyor (Licensed Lead Person, PLS, Office or Field positions)
- Assistant Land Surveyor (Lead Person, Land Surveyor-in-Training (LSIT) Certificate, Office or Field positions)
- Land Surveying Technician I, II, III (Certificate of Achievement from SRJC and experience, Office or Field positions)
- Land Surveying Aide (Part time employees without certificate)

Surveying Technology Program Recommended Sequence of Courses

Students interested in a suggested order for taking classes in this program, please view the recommended course sequence.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Surveying Technology Core Requirements - Complete 29.00 Units

Code	Title	Hours/ Units
GIS 40	Introduction to Geographic Information Systems (GIS)	4
APTE 191	Problem Solving in Civil Engineering Technology	3
CEST 51	Civil Drafting Technology	3
CEST 192	Non-Technical Skills for the Civil Engineering Technician	3
SURV 53	Route Surveying & Design	4
SURV 56	Introduction to GPS Land Surveying	4
SURV 58	Evidence and Procedures for Boundary Determination	4
SURV 60	Introduction to Plane Surveying	4
Total Hours/Units		**29**

Notes

It is recommended that students who have not had high school courses in mathematics through plane geometry take the Math placement test and enroll in an appropriate course (eg, CSKL 372, CSKL 373) CSKL 372 Pre-Algebra EDU 373 Foundations of Mathematical Reasoning prior to enrolling in certificate program courses.

For students with limited computer literacy, CS 5 Computer Literacy is recommended`. Please contact the department or a counselor for more information.

This program was formerly named "Civil & Surveying Technology: Surveying"

Program Student Learning Outcomes

1. Define and describe land surveying terminology, methods, procedures, standards and technology;
2. Perform mathematical, computer and statistical computations related to location, elevation, grade, distance, direction, area, and volume;
3. Communicate clearly and effectively in oral, written and graphic formats;
4. Prepare land surveying maps, plats, documents and drawings using computer-aided drafting and geographic information systems technology;
5. Operate terrestrial and global positioning surveying instruments for various types of surveys; and
6. Research, file, retrieve, analyze, locate and prepare descriptions of land, drawings, maps, plats, documents, records, reports and correspondence related to land surveying.

Sustainable Agriculture (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Sustainable Agriculture Certificate of Achievement program is designed to train farmers and gardeners in the techniques of sustainable food production. It provides a foundation in plant and soil science, integrated pest management, and ecological agriculture, and emphasizes the "how-to" aspects of organic gardening and farming, including tillage, compost production, and crop planning and production.

Students will engage actively in their learning experience by working on SRJC's Shone Farm, participating in the production and distribution of sustainable agriculture products, and participating with local farmers to discover and support best practices.

This program will prepare students for occupations that involve sustainable agriculture practices. Typical job titles include: farming, agricultural production, market gardener, farm manager, propagator, crop consultant, organic inspectors, farm advisor, agricultural supplier, compost production and sales.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Sustainable Agriculture Requirements - Complete 27.00 Units

Code	Title	Hours/ Units
AGME 50	Agricultural Machinery and Equipment Skills	3
AGRI 20	Introduction to Plant Science	4
AGRI 30	Introduction to Soil Science	3
AGRI 70	Integrated Pest Management	3
SUAG 5	Introduction to Sustainable Agriculture	3

SUAG 160	Direct Farm Marketing	3
SUAG 109	Organic Crop Planning and Production	4
Select any combination totaling at least 4.00 units from the following:		4
AGRI 56	Agricultural Enterprise Project	
AGRI 98	Independent Study in Agriculture	
ANSC 153	Sustainable Agriculture Production Systems with Animals	
SUAG 56	Sustainable Agricultural Enterprise Project	
SUAG 64	Warm Season Crop Production	
SUAG 65	Cool Season Vegetable Production	
SUAG 103	Composting for Organic Farming and Gardening	
SUAG 116	Organic Apple Production	
SUAG 117	Organic Fruit Tree and Berry Production	
SUAG 119	Specialty Crop Production	
SUAG 120	Organic Gardening and Food Production	
SUAG 153	Community Supported Agriculture	
Total Hours/Units		**27**

Notes

The Certificate of Achievement will be awarded upon completion of all requirements with a grade of "C" or better.

Program Student Learning Outcomes

1. Plan and manage diverse crop farming enterprises based on ecological management practices.
2. Apply scientific literacy to the management of agricultural systems.
3. Identify and pursue appropriate market channels for vegetable and fruit crops.
4. Utilize appropriate tools and techniques for the propagation, maintenance, and harvest of organically grown crops.

SWHS: Addiction Studies (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Social Work and Human Services: Addiction Studies Certificate of Achievement provides the educational foundation necessary for certification as a Registered Alcohol and Drug Technician (RADT) through the California Consortium of Addiction Programs and Professionals (CCAPP). Students completing the coursework are eligible to sit for the certifying exam to become a Certified Alcohol and Drug Counselor. The Santa Rosa Junior College Social Work and Human Services: Addiction Studies program is accredited by CCAPP.

The Social Work and Human Services: Addiction Studies certificate offers academic preparation and field experience to work in addiction counseling and treatment. It covers a broad range of topics, including drug education and prevention approaches, treatment issues, counseling skills, ethical considerations, and practical knowledge of drugs and their effects. The program prepares students for entry-level work in community settings.

Employment options include working with non-profit agencies as well as local, state and federal agencies. Examples of these agencies are job training programs, residential settings and private social service agencies.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Social Work and Human Services Core Requirements		
COUN 7	Identity and Cultural Diversity	3
SWHS 80	Introduction to Addiction Studies	3
SWHS 83	Family Systems in Addiction Studies	3
SWHS 87	Ethical Issues in Social Work and Human Services	3
SWHS 88	Addiction Studies Practicum	2
SWHS 90	Introduction to Social Work and Human Services	3
SWHS 91	Skills and Techniques in Social Work and Human Services	3
SWHS 92	Introduction to Group Counseling	3
SWHS 93	Introduction to Case Management	3
SWHS 96	Co-Occurring Disorders	3
SWHS 99I	Social Work and Human Services Internship Work Experience	3
Addiction Studies Requirements		
SWHS 81	Prevention and Education on Addiction	3
SWHS 82	Pharmacological & Physiological Effects of Addiction	3
SWHS 86	Social Work Seminar and Fieldwork	3
Total Hours/Units		**41**

Notes

Complete SWHS 88 and SWHS 99I before taking SWHS 86. In this program, SWHS 99I consists of internships in alcohol or drug settings.

SWHS 88 Addiction Studies Practicum must be taken twice for a total of 3.00 units.

Program Student Learning Outcomes

1. Demonstrate an understanding of the social work and human services field and its operational function in relation to client services;
2. Examine and perform various social work and human service roles within the profession incorporating counseling skills, ethical principles and sensitivity to diversity; and
3. Identify the essential components of alcohol and drug addiction and employ the tools and skills needed to work with clients in treatment centers.

SWHS: Advocacy (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Social Work and Human Services Advocacy major offers an interdisciplinary approach to developing the skills necessary for human rights advocacy. In today's complex society, social service agencies are tasked with addressing the economic and emotional needs of individuals facing difficulties. These agencies require responsible individuals with some college education to provide a range of services. The Social Work and Human Services Advocacy program prepares students for entry-level work in community-based settings.

Employment options include working with non-profit agencies as well as local, state and federal agencies. Examples of these agencies are job training programs, residential settings and private social service agencies.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Social Work and Human Services: Advocacy Core Requirements		
COUN 7	Identity and Cultural Diversity	3
SWHS 80	Introduction to Addiction Studies	3
SWHS 90	Introduction to Social Work and Human Services	3
SWHS 91	Skills and Techniques in Social Work and Human Services	3
SWHS 93	Introduction to Case Management	3
SWHS 86	Social Work Seminar and Fieldwork	3
SWHS 87	Ethical Issues in Social Work and Human Services	3
Select any combination totaling at least 3.00 units from the following:		3
SWHS 92	Introduction to Group Counseling	
SWHS 96	Co-Occurring Disorders	
Advocacy Emphasis Requirements		
SWHS 95	Advocating for Social Change	3
Select any combination totaling at least 6.00 units from the following:		6
AJ 25	Community Relations	
AJ 53	Juvenile Procedures	
AJ 26	Crime and Criminal Justice in Society	
AJ 71	Criminal Justice Interviewing & Counseling	
ASL 1	Elementary American Sign Language - Part 1	
CHLD 10	Child Growth and Development	
CHLD 53A	Introduction to Children with Special Needs	
CHLD 90.1	Child, Family, Community Interrelationships	
COUN 20	Sex and Gender	
HLC 160	Medical Terminology	
PHIL 7	Contemporary Moral Issues	
PSYC 1000	(PSYC C1000) Introduction to Psychology	
PSYC 3	Human Sexuality	
PSYC 4	Child and Adolescent Psychology	
PSYC 5	Abnormal Psychology	
PSYC 7	Theories of Personality	
PSYC 30	Social Psychology	
PSYC 40	Introduction to Psychology of Gender	
PSYC 46	Aging, Dying and Death	
RELS 2	World Religions	
SOC 2	Modern Social Problems	
SOC 30	Race, Ethnicity, and Inequality	
SWHS 81	Prevention and Education on Addiction	
SWHS 82	Pharmacological & Physiological Effects of Addiction	
SWHS 83	Family Systems in Addiction Studies	
SWHS 92	Introduction to Group Counseling	
SWHS 96	Co-Occurring Disorders	
Total Hours/Units		**33**

Notes

It is strongly recommended that students complete SWHS 86 in the final semester of taking the core requirements. SWHS 92 and SWHS 96 can only count once.

Program Student Learning Outcomes

1. Demonstrate an understanding of the social work and human services field and its operational function in relation to client services; and
2. Examine and perform various social work and human service roles within the profession incorporating counseling skills, ethical principles and sensitivity to diversity;
3. Demonstrate ability to use research tools to locate and evaluate information that can be applied to the social work and human services field; and
4. Demonstrate an understanding of theoretical principles in the behavioral sciences to help address the needs of social work and human services clients.

SWHS: Recovery & Acad Success (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Social Work and Human Services Foundations in Recovery and Academic Success skills certificate is an interdisciplinary approach to prepare students for college who are early in recovery. Collegiate recovery promotes education as a related protective social determinant of health and wellness for students in the process of recovery. Students completing this certificate will be better prepared to complete their educational goals as they pursue careers across all disciplines.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning

& Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Social Work and Human Services: Foundations in Recovery and Academic Success - Complete 7.00 Units

Code	Title	Hours/ Units
SWHS 80	Introduction to Addiction Studies	3
KIN 53	Principles of Health and Wellness	3
COUN 60	Effective Study Workshop	1
Total Hours/Units		**7**

Program Student Learning Outcomes

1. Recognize how the family, social networks, and community systems are factors in addiction prevention.
2. Recognize behavioral, psychological, health, and social effects of substance abuse on the user and the user's family and friends.
3. Create short- and long-term goals in order to obtain academic objectives.
4. Identify the resources and student services offered at Santa Rosa Junior College to support academic success.
5. Analyze personal health and develop a behavior change plan to improve one's health and wellness.

Technical Theatre Foundations (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

This introductory certificate for Technical Theatre Foundations is meant to be a self-contained Career Education option for students who may or may not choose to continue to the advanced certificates, AA or AA-T offered by the department. This one-year intensive training program examines, through lecture, demonstration, and application, the tools and techniques required to succeed in professional theatre and related entertainment industry positions. Introductory and advanced courses are designed to familiarize the student with the theory and practice of theatrical production while participating in a two show, production-oriented program in a newly modernized facility with industry-standard technology.

Students receiving this certificate will be prepared for an entry-level or internship position in technical theatre (in costumes and stagecraft), with at least one additional emphasis of their choosing including makeup, props, or stage management. Upon completion of the Foundations certificate, students might then choose to advance their learning with another year of training by completing one of our Theatre Arts Certificates which offer five areas of emphasis: Acting, Costuming, Makeup, Stagecraft, and Theatre Management. At the heart of all Theatre Certificate curriculum is a collaborative relationship between faculty, staff, guest artists, and students, helping students develop skills while learning professional standards for making quality theatre.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning

& Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Technical Theatre Foundations - complete 17.00 units

Code	Title	Hours/ Units
THAR 1	World Theatre Through Time	3
THAR 20	Introduction to Stagecraft	3
THAR 21A	Introduction to Costume Technology	3
THAR 24	Introduction to the Design Process	3
Select any combination totaling at least 3.00 units from the following:		3
THAR 25	Production Lab: General	
THAR 25.1	Production Lab: Costume Crew	
THAR 25.2	Production Lab: Running Crew	
THAR 25.4	Production Lab: Makeup Crew	
Complete any combination totaling at least 2.00 units from the following:		2
THAR 49	Independent Study in Theatre Arts	
THAR 27	Properties Workshop	
THAR 29	Introduction to Theatre Management	
THAR 22	Makeup Design for Stage and Screen	
Total Hours/Units		**17**

Program Student Learning Outcomes

1. Work effectively with scenery and costume design plans
2. Work competently with common materials and techniques when constructing theatrical elements
3. Apply fundamental techniques of stagecraft when participating in the backstage functions of a performance
4. Demonstrate basic skills in two or more of the following areas of specialization: running crew, lighting hang and focus, scenic carpentry, welding and/or scenic painting, audio set up and routing, costume construction, costume crew, makeup crew, makeup application, props construction, stage management, theatrical design (or design assist): set, costume, lights, props and/or sound
5. Integrate knowledge of theatre history and literature when constructing theatrical elements
6. Demonstrate an understanding of professional and safety standards when working in a shop or participating in the backstage functions of a performance

THAR: Theatre Mgmt (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Theatre Arts: Theatre Management Certificate of Achievement program prepares students for entry level and apprentice employment as professional stage managers, assistant directors, box office personnel, and various administrative and marketing positions in the stage, film or television environments. Supervised by faculty working in the profession, the Theatre Management certificate centers on observing and participating in the day-to-day production process. Through hands-on experience and classroom lectures, students will develop the skills involved in preparing for and executing rehearsals, coordinating information between departments involved in the production process, and running and maintaining a production once it has opened.

Depending on natural talent, level of experience, and industry needs, students can enter the industry directly from this program. However, certificate students must continue to build their resumes through substantial work experience, and may pursue additional training through private training programs or four-year university programs. Certificate students who also wish to pursue an Associate of Arts degree and/or four-year degree are encouraged to meet with a counselor.

The Theatre Arts: Theatre Management Certificate of Achievement provides students with the basic skills and techniques necessary to successfully pursue a variety of career paths including:

- Stage Managers gain professional status by working at local theatres, typically starting as a crew member or assistant stage manager. Once enough hours are acquired, an SM apprentice is able to join Actors Equity Union and enjoy full pay status and the opportunity to work at equity theatres, on Broadway shows, or with a national touring company.
- Assistant Directors typically enter the industry as interns, and by networking with established theatre personnel (understanding all aspects of running a theatre and a production) develop opportunities and techniques for directing their own shows.
- Production Managers are in charge of theatre, film, or television locations and facilities, scheduling equipment and rooms, and coordinating information between production and administrative personnel. Production Managers typically work their way up through stage management.
- Production Stage Managers oversee the work of stage management teams and their production crews (or film/television production crews), and act as a liaison to the Production Manager. Production Stage Managers typically work their way up through stage management.

The job prospects in this field are great. Although most entry-level positions are offered at low pay, good theatre management personnel are "worth their weight in gold," and are in great demand. Students wishing to advance in the field must be ready to work their way up the ladder, but the prize at the top is a well-paid position with an established theatre, event hall, television or film production company, opera or concert venue. These positions feature competitive salaries and creative satisfaction.

The Theatre Arts certificate training programs are unique in that they offer five areas of emphasis: Acting, Costuming, Makeup, Stagecraft, and Theatre Management. These one to two-year intensive vocational training programs examine, through lecture, demonstration, and application, the tools and techniques required to succeed in professional theatre and related entertainment industry positions. Introductory and

advanced courses are designed to familiarize the student with the theory and practice of theatrical production while participating in a 5-show production oriented program.

At the heart of the certificate curriculum is a collaborative relationship between faculty, staff, guest artists, and students that helps students develop while producing professional quality theatre. Courses cover a broad spectrum of related disciplines to further enrich the learning experience and provide a strong foundation of knowledge. Students are also instructed in the basics of self-marketing as well as audition, interview, resume and portfolio preparation and presentation.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Theatre Arts Core Requirements		
THAR 1	World Theatre Through Time	3
THAR 10A	Introduction to Acting	3
Theatre Management Emphasis Requirements		
THAR 20	Introduction to Stagecraft	3
THAR 25.1	Production Lab: Costume Crew	1.5
THAR 25.2	Production Lab: Running Crew	1.5
THAR 27	Properties Workshop	2
THAR 29	Introduction to Theatre Management	3
THAR 29L	Theatre Management Laboratory	3
Select any combination totaling at least 3.00 units from the following:		3
THAR 23	Introduction to Scenic Design	
THAR 24	Introduction to the Design Process	
THAR 26	Introduction to Theatrical Lighting	
Select any combination totaling at least 8.00 units from the following:		8
BAD 2	Managerial Accounting	
COMM 5	Group Discussion and Problem Solving	
COMM 6	Interpersonal Communication	
COMM 10	Introduction to Communication Theory	
CS 60.1A	Microsoft Word, Part 1	
CS 61.1A	Microsoft Excel, Part 1	
THAR 21A	Introduction to Costume Technology	
THAR 23	Introduction to Scenic Design	
THAR 24	Introduction to the Design Process	
THAR 25	Production Lab: General	
THAR 25.3	Production Lab: House Staff	
THAR 25.5	Production Lab: Construction	
THAR 26	Introduction to Theatrical Lighting	
Total Hours/Units		**31**

Notes

1. All students enrolled in the certificate program will be assigned a faculty advisor who will meet with them regularly to monitor progress.
2. THAR 23 Introduction to Scenic Design, THAR 24 Introduction to the Design Process, THAR 26 Introduction to Theatrical Lightingand THAR 27 Properties Workshopmay only be used to fulfill one requirement in the certificate, either the Design requirement or the Additional Skills requirement.
3. All courses in the THAR 25 Production Lab: General series (THAR 25 Production Lab: General, THAR 25.1 Production Lab: Costume Crew, THAR 25.2 Production Lab: Running Crew, THAR 25.3 Production Lab: House Staff, THAR 25.4 Production Lab: Makeup Crew, and THAR 25.5 Production Lab: Construction) are variable unit courses; each course may be taken up to four times. Units are determined by the type of position and number of productions a student will work on during a semester. These courses are also co-requisites for THAR 20 Introduction to Stagecraft, THAR 21A Introduction to Costume Technology, THAR 22 Makeup Design for Stage and Screen, and THAR 22.1 Special Effects Makeup, Wigs, and Masks. Certificate students planning to take these courses are encouraged to contact the Theatre Arts department chair prior to registration.

4. THAR 29L Theatre Management Laboratory must be repeated for a total of 6.0 units to meet Theatre Management Emphasis Requirements
5. Courses listed in multiple categories may not be counted more than once.

Program Student Learning Outcomes

1. Apply basic skills in one or more of the following areas of specialization: stage management, assistant stage management, house management, production management, box office management, theatre management;
2. Apply fundamental techniques of theatrical management when participating in the backstage or front of house functions of a performance;
3. Apply fundamental techniques of stagecraft and costuming when participating in the backstage functions of a performance;
4. Integrate knowledge of theatre history and literature when managing theatrical performances; and
5. Perform for the stage at a beginning level using fundamental techniques of voice, movement, and the actor's craft.

Theatre Arts: Acting (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Theatre Arts: Acting Certificate of Achievement provides students with the foundation skills necessary to audition for and perform in a variety of professional environments. Students study characterization, script analysis, vocal and physical development, and acting styles for the stage, which can also be applied to film and television work. Realizing that acting careers are extremely competitive, this certificate introduces students to the realities of the profession through both classroom learning and performance expectations.

Depending on natural talent and industry needs, students can enter the profession directly from this program. However, most certificate students wishing to pursue professional acting careers must continue to build their resumes through substantial performance experience, and will likely pursue additional training through private studios, training programs, or four-year university programs. The Theatre Arts: Acting Certificate of Achievement provides students with the basic skills and techniques necessary to successfully start that career path. Certificate students who also wish to pursue an Associate of Arts degree and/or four-year degree are encouraged to meet with a counselor.

The Theatre Arts certificate training programs are unique in that they offer five areas of emphasis: Acting, Costuming, Makeup, Stagecraft, and Theatre Management. These one to two-year intensive vocational training programs examine, through lecture, demonstration, and application, the tools and techniques required to succeed in professional theatre and related entertainment industry positions. Introductory and advanced courses are designed to familiarize the student with the theory and practice of theatrical production while participating in a 5-show production oriented program.

At the heart of the certificate curriculum is a collaborative relationship between faculty, staff, guest artists, and students that helps students develop while producing professional quality theatre. Courses cover a broad spectrum of related disciplines to further enrich the learning experience and provide a strong foundation of knowledge. Students are also instructed in the basics of self-marketing as well as auditions, interview, resume and portfolio preparation and presentation.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Theatre Arts Core Requirements		
THAR 1	World Theatre Through Time	3
THAR 10A	Introduction to Acting	3
Acting Emphasis Requirements		
THAR 10B	Scene Study and Characterization	3
THAR 19	Introduction to Movement and Mask	2
THAR 20	Introduction to Stagecraft	3
Select any combination totaling at least 3.00 units from the following:		3
THAR 25.1	Production Lab: Costume Crew	
THAR 25.2	Production Lab: Running Crew	
THAR 25.4	Production Lab: Makeup Crew	
Select any combination totaling at least 3.00 units from the following:		3
THAR 11.1	Performance: Non-Musical	
THAR 11.2	Performance: Musical	
THAR 11.3	Performance: Musical - Dance	
THAR 11.4	Performance: Musical-Vocal	
Select any combination totaling at least 3.50 units from the following:		3.5
THAR 13A	Performance Workshop: Styles, Periods and Skills 1	
THAR 13AL	Performance Workshop Lab: Styles, Periods and Skills 1	
THAR 14A	Performance Workshop: Shakespeare 1	
THAR 14AL	Performance Workshop Lab: Shakespeare 1	
Select any combination totaling at least 6.00 units from the following:		6
DANC 10.1	Introduction to Dance Movement	
DANC 10.2	Introduction to Dance Genres: Ballet, Modern, Jazz	
DANC 11.1	Ballet I	
DANC 13.1	Jazz Dance I	
MUSP 17A	Elementary Voice	
THAR 11.8	Performance: Dance Concert	
THAR 17	Musical Theatre Techniques	
THAR 21A	Introduction to Costume Technology	
THAR 22	Makeup Design for Stage and Screen	
THAR 42	Dance-Theatre Workshop	
THAR 29	Introduction to Theatre Management	
THAR 29L	Theatre Management Laboratory	
THAR 63	Acting in Film, Television, and Voice-over	
Total Hours/Units		**29.5**

Notes

1. All students enrolled in the certificate program will be assigned a faculty advisor who will meet with them regularly to monitor progress.
2. All courses in the THAR 25 Production Lab: General series (THAR 25 Production Lab: General, THAR 25.1 Production Lab: Costume Crew, THAR 25.2 Production Lab: Running Crew, THAR 25.3 Production Lab: House Staff, THAR 25.4 Production Lab: Makeup Crew, and THAR 25.5 Production Lab: Construction) are variable unit courses; each course may be taken up to four times. Units are determined by the type of position and number of productions a student will work on during a semester. These courses are also corequisites for THAR 20 Introduction to Stagecraft, THAR 21A Introduction to Costume Technology, THAR 22 Makeup Design for Stage and Screen, and THAR 22.1 Special Effects Makeup, Wigs, and Masks. Certificate students planning to take these courses are encouraged to contact the Theatre Arts department chair prior to registration.

Program Student Learning Outcomes

1. Audition for a production using fundamental techniques of voice, movement, and the actor's craft;
2. Perform for the stage using fundamental techniques of voice, movement, and the actor's craft;
3. Perform special acting styles such as: non-realism, Shakespeare, period movement and acting for the camera;
4. Integrate a basic understanding of technical theatre and participate in the backstage functions of the theatre; and
5. Integrate knowledge of theatre history and literature when creating a theatrical performance.

Theatre Arts: Costuming (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Theatre Arts: Costuming Certificate of Achievement prepares students for entry level and apprentice employment as professional costume shop assistants, wardrobe supervisors, cutter/drapers, first hands, dyers/painters, dressers, and costume crafts positions in the stage, film or television environments. The program provides a hands-on approach to the study of equipment, terminology, and technical skills required to create costumes for dramatic productions. It includes an understanding of basic drawing, patterning, draping, and construction techniques necessary for realizing a costume design.

In addition, this program prepares students wishing to pursue a career in costume design with a solid foundation in all aspects of costuming. Depending on natural talent and industry needs, students can enter the industry as a costume design intern or free-lance designer directly from this program. However, most certificate students wishing to pursue professional design careers must continue to build their resumes through substantial work experience, and will likely pursue additional training through private design schools or four-year university programs. The Theatre Arts: Costuming Certificate of Achievement provides students with the basic skills and techniques necessary to successfully start that career path. Certificate students who also wish to pursue an Associate of Arts degree and/or four-year degree are encouraged to meet with a counselor.

The job prospects in this field are great for entry-level positions and free-lance designers. Apprenticeships and other entry-level positions are usually seasonal. Theatre costume personnel are in great demand and securing an entry-level position will build the individual's resume and contacts. Students wishing to advance in the field must be willing to work long hours during peak seasonal times. A strong resume and references will lead to a well-paid position with an established theatre company, costume house, or a lucrative career as a free-lance artist in theatre,

opera, television or film that features competitive salaries and creative satisfaction.

The Theatre Arts certificate training programs are unique in that they offer five areas of emphasis: Acting, Costuming, Makeup, Stagecraft, and Theatre Management. These one to two-year intensive vocational training programs examine, through lecture, demonstration, and application, the tools and techniques required to succeed in professional theatre and related entertainment industry positions. Introductory and advanced courses are designed to familiarize the student with the theory and practice of theatrical production while participating in a 5-show production oriented program.

At the heart of the certificate curriculum is a collaborative relationship between faculty, staff, guest artists, and students that helps students develop while producing professional quality theatre. Courses cover a broad spectrum of related disciplines to further enrich the learning experience and provide a strong foundation of knowledge. Students are also instructed in the basics of self-marketing as well as audition, interview, resume and portfolio preparation and presentation.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Theatre Arts Core Requirements		
THAR 1	World Theatre Through Time	3
THAR 10A	Introduction to Acting	3
Costuming Emphasis Requirements		
THAR 21A	Introduction to Costume Technology	3
THAR 22	Makeup Design for Stage and Screen	2
THAR 24	Introduction to the Design Process	3
THAR 25.1	Production Lab: Costume Crew	1.5-3
THAR 25.4	Production Lab: Makeup Crew	1.5-3
Select any combination totaling at least 9.00 units from the following:		9
THAR 21B	Costume Technology 2	
THAR 22.1	Special Effects Makeup, Wigs, and Masks	
THAR 25.1	Production Lab: Costume Crew	
THAR 25.5	Production Lab: Construction	
THAR 27	Properties Workshop	
THAR 28	Introduction to Costume Design	
THAR 121.1	Stage Costuming: Introduction to Historical Draping	
THAR 121.2	Stage Costuming: Introduction to Millinery	
THAR 121.3	Stage Costuming: Period Corset Construction	
THAR 121.4	Stage Costuming: Tailoring Techniques	
Select any combination totaling at least 6.00 units from the following:		6
THAR 22.2	Special Effects Makeup, Wigs, and Masks 2	
THAR 25	Production Lab: General	
THAR 25.4	Production Lab: Makeup Crew	
THAR 127.4	Properties Workshop: Weaponry and Specialty Items	
Total Hours/Units		**32-35**

Notes

1. All students enrolled in the certificate program will be assigned a faculty advisor who will meet with them regularly to monitor progress.
2. All courses in the THAR 25 Production Lab: General series (THAR 25.1 Production Lab: Costume Crew, THAR 25.4 Production Lab: Makeup Crew, THAR 25.5 Production Lab: Construction) are variable unit courses; each course may be taken up to four times. The type of position and number of productions a student will work on during a semester determines the number of units.
   These courses are also corequisites for THAR 20 Introduction to Stagecraft, THAR 21A Introduction to Costume Technology, THAR 22 Makeup Design for Stage and Screen, THAR 22.1 Special Effects Makeup, Wigs, and Masks). Certificate students planning

to take these courses are encouraged to contact the Theatre Arts department chair prior to registration.

Program Student Learning Outcomes

1. Work effectively with common materials, equipment, and techniques when constructing theatrical costumes and accessories;
2. Apply fundamental techniques of wardrobe management when participating in the backstage functions of a performance;
3. Demonstrate basic skills in one or more of the following areas of specialization: wardrobe maintenance, safe application and use of shop equipment and tools, fabric composition and modification, draping, flat pattern drafting and manipulation, costume construction and dressmaker details, fittings and alterations, millinery techniques, understructures, tailoring techniques, footwear, masks, armor, jewelry, makeup and hair design;
4. Work collaboratively with other theater professionals and contribute basic artistic knowledge of Costume and Makeup Design;
5. Integrate knowledge of theatre history and literature when constructing theatrical elements; and
6. Perform for the stage at a beginning level using fundamental techniques of voice, movement, and the actor's craft.

Theatre Arts: Makeup Design (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Theatre Arts: Makeup Certificate of Achievement program prepares students for entry level and apprentice employment as a professional makeup artist, for the stage, film or television environments. The program focuses on a hands-on approach to the study of materials, terminology, health and safety issues, and technical skills required for dramatic productions.

Depending on natural talent and industry needs, students can enter the industry directly from this program. However, most certificate students wishing to pursue professional makeup careers must continue to build their resumes through substantial work experience. Students wishing to pursue a career as makeup technicians in the creation of prosthetic appliances and special effects for film and television must transfer to a trade school for additional training. Students interested in becoming wig and hair technicians will also need to obtain a cosmetology license. The Theatre Arts: Makeup Certificate of Achievement provides students with the basic skills and techniques necessary to successfully start any of these career paths. Certificate students who also wish to pursue an Associate of Arts degree and/or four-year degree are encouraged to meet with a counselor.

Students wishing to advance in the field must be prepared to market their skills and work as a free-lance artist. The job prospects in this field are great for those willing and available to travel. Most entry-level positions are offered at low pay. However, hard work and strong contacts are key to a lucrative and exciting career in all venues theatre, opera, television and film.

The Theatre Arts certificate training programs are unique in that they offer five areas of emphasis: Acting, Costuming, Makeup, Stagecraft, and Theatre Management. These one to two-year intensive vocational training programs examine, through lecture, demonstration, and application, the tools and techniques required to succeed in professional theatre and related entertainment industry positions. Introductory and advanced courses are designed to familiarize the student with the theory and practice of theatrical production while participating in a 5-show production oriented program.

At the heart of the certificate curriculum is a collaborative relationship between faculty, staff, guest artists, and students that helps students develop while producing professional quality theatre. Courses cover a broad spectrum of related disciplines to further enrich the learning experience and provide a strong foundation of knowledge. Students are also instructed in the basics of self-marketing as well as audition, interview, resume and portfolio preparation and presentation.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.

3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Theatre Arts Makeup Design Core Requirements		
THAR 2	Introduction to Theatre Arts	3
THAR 24	Introduction to the Design Process	3
Makeup Design Emphasis Requirements		
THAR 21A	Introduction to Costume Technology	3
THAR 22	Makeup Design for Stage and Screen	2
THAR 22.1	Special Effects Makeup, Wigs, and Masks	2
THAR 22.2	Special Effects Makeup, Wigs, and Masks 2	2
THAR 25.1	Production Lab: Costume Crew	1.5-3
THAR 25.4	Production Lab: Makeup Crew	1.5-3
Select any combination totaling at least 12.00 units from the following:		12
ART 7A	Drawing and Composition 1	
ART 12	Beginning Figure Drawing	
ART 13	Watercolor	
THAR 1	World Theatre Through Time	
THAR 10A	Introduction to Acting	
THAR 21B	Costume Technology 2	
THAR 25	Production Lab: General	
THAR 25.4	Production Lab: Makeup Crew	
THAR 26	Introduction to Theatrical Lighting	
THAR 27	Properties Workshop	
THAR 28	Introduction to Costume Design	
THAR 121.2	Stage Costuming: Introduction to Millinery	
THAR 127.2	Properties Workshop: Mold Making and Casting	
Total Hours/Units		**30-33**

Notes

1. All students enrolled in the certificate program will be assigned a faculty advisor who will meet with them regularly to monitor progress.
2. All courses in the THAR 25 Production Lab: General series (THAR 25 Production Lab: General, THAR 25.1 Production Lab: Costume Crew, THAR 25.2 Production Lab: Running Crew, THAR 25.3 Production Lab: House Staff, THAR 25.4 Production Lab: Makeup Crew, THAR 25.5 Production Lab: Construction) are variable unit courses; each course may be taken up to four times. The type of position and number of productions a student will work on during a semester determines the number of units. These courses are also corequisites for THAR 20 Introduction to Stagecraft, THAR 21A Introduction to Costume Technology, THAR 22 Makeup Design for Stage and Screen. Certificate students planning to take these courses are encouraged to contact the Theatre Arts department chair prior to registration.

Program Student Learning Outcomes

1. Analyze and interpret appropriate styles, color, and texture choices for a scripted character;
2. Apply fundamental techniques of makeup and hair application when participating in the backstage functions of a performance;
3. Demonstrate basic skills in one or more of the following areas of specialization: Appropriate skin care analysis, Creation of character makeup by application of highlight and lowlight painting techniques, Three-dimensional prosthetic techniques, Facial hair application, Wig and hair styling;
4. Work collaboratively with other theater professionals and contribute basic artistic knowledge of Costume and Makeup Design;
5. Integrate knowledge of theatre history and literature when designing and/or applying stage makeup; and
6. Perform for the stage at a beginning level using fundamental techniques of voice, movement, and the actor's craft.

Theatre Arts: Stagecraft (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

Depending on natural talent, level of experience, and industry needs, students can enter the industry directly from this program. However, most certificate students wishing to pursue professional design or technical direction careers must continue to build their resumes through substantial work experience, and will likely pursue additional training through private design schools or four-year university programs. The Theatre Arts: Stagecraft Certificate of Achievement provides students with the basic skills and techniques necessary to successfully start that career path. Certificate students who also wish to pursue an Associate of Arts degree and/or four-year degree are encouraged to meet with a counselor.

The job prospects in this field are plentiful. Work tends to be seasonal at first leading to union positions with established theatre and film companies. Students wishing to advance in the field must be ready to work their way up the ladder and must be available at anytime and willing to travel. Most entry-level positions are offered at low pay. However, hard work and working well with others will lead to a lucrative and exciting career as a free-lance designer or technician for all venues, including theatre, opera, television, film, concert and trade show circuits.

The Theatre Arts certificate training programs are unique in that they offer five areas of emphasis: Acting, Costuming, Makeup, Stagecraft, and Theatre Management. These one to two-year intensive vocational training programs examine, through lecture, demonstration, and application, the tools and techniques required to succeed in professional theatre and related entertainment industry positions. Introductory and advanced courses are designed to familiarize the student with the theory and practice of theatrical production while participating in a 5-show production oriented program.

At the heart of the certificate curriculum is a collaborative relationship between faculty, staff, guest artists, and students that helps students develop while producing professional quality theatre. Courses cover a broad spectrum of related disciplines to further enrich the learning experience and provide a strong foundation of knowledge. Students

are also instructed in the basics of self-marketing as well as audition, interview, resume and portfolio preparation and presentation.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Code	Title	Hours/ Units
Theatre Arts Core Requirements		
THAR 1	World Theatre Through Time	3
THAR 10A	Introduction to Acting	3
Stagecraft Emphasis Requirements		
THAR 20	Introduction to Stagecraft	3
THAR 23	Introduction to Scenic Design	3
THAR 24	Introduction to the Design Process	3
THAR 25.2	Production Lab: Running Crew	3
THAR 25.2	Production Lab: Running Crew	1.5
THAR 26	Introduction to Theatrical Lighting	3
THAR 27	Properties Workshop	2
Select any combination totaling at least 8.00 units from the following:		8
ART 3	Introduction to Art and Design	
ART 4	Principles of Color	
ART 5	Three Dimensional Design	
ART 7A	Drawing and Composition 1	
ART 13	Watercolor	
THAR 25.5	Production Lab: Construction	
THAR 127.1	Properties Workshop: Furniture and Upholstery	
THAR 127.2	Properties Workshop: Mold Making and Casting	
THAR 127.3	Properties Workshop: Foam Carving and Food Properties	
THAR 127.4	Properties Workshop: Weaponry and Specialty Items	
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	
Total Hours/Units		**32.5**

Notes

1. All students enrolled in the certificate program will be assigned a faculty advisor who will meet with them regularly to monitor progress.
2. All courses in the THAR 25 Production Lab: General series (THAR 25 Production Lab: General, THAR 25.1 Production Lab: Costume Crew, THAR 25.2 Production Lab: Running Crew, THAR 25.3 Production Lab: House Staff, THAR 25.4 Production Lab: Makeup Crew, and THAR 25.5 Production Lab: Construction) are variable unit courses; each course may be taken up to four times, (THAR 25.2 must be taken for a total of 4.5 units to meet the Stagecraft Emphasis Requirements). The type of position and number of productions a student will work on during a semester determines the number of units. These courses are also corequisites for THAR 20 Introduction to Stagecraft, THAR 21A Introduction to Costume Technology, THAR 22 Makeup Design for Stage and Screen, and THAR 22.1 Special Effects Makeup, Wigs, and Masks. Certificate students planning to take these courses are encouraged to contact the Theatre Arts department chair prior to registration.
3. THAR 25.2 Production Lab: Running Crew must be taken for a total of 4.5 units to meet the Stagecraft Emphasis Requirements.

Program Student Learning Outcomes

1. Work effectively with lighting and scenery design plans;
2. Work competently with common materials and techniques when constructing theatrical elements;
3. Apply fundamental techniques of stagecraft when participating in the backstage functions of a performance;
4. Demonstrate basic skills in one or more of the following areas of specialization: running crew, lighting hang and focus, scenic carpentry, welding and/or scenic painting, audio set up and routing;
5. Integrate knowledge of theatre history and literature when constructing theatrical elements; and

6. Perform for the stage at a beginning level using fundamental techniques of voice, movement, and the actor's craft.

Veterinary Technician (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Santa Rosa Junior College Veterinary Technician Certificate of Achievement is designed to prepare students for Veterinary Technician careers with veterinarians and other professionals in the companion animal veterinary field.

Upon completion of this certificate's 21-semester unit requirements, AND 24 months (4416 hours) of outside practical experience working for a California licensed veterinarian, students satisfy the requirements to sit for the RVT examination in the State of California.

The part-time academic program is designed to be completed while the student is employed in a veterinary hospital. The ideal student is already working as Veterinary Assistant when they start this program however, many students begin this program without any previous experience and find employment after completing their first few courses. Students typically complete this program over 3 or 4 semesters.

Pets have become an increasingly popular component of households across the country, and they play a major role in many people's lives. The corresponding rise in demand for pet care combined with the growing population in California has created a need for more Registered Veterinary Technicians. Additionally, Veterinary Technicians are also employed in settings such as biomedical facilities, diagnostic laboratories, wildlife facilities, humane societies, animal control facilities, drug or food manufacturing companies, and food safety inspection facilities. Furthermore, demand for these workers will stem from the desire to replace veterinary assistants with more highly skilled technicians in animal clinics in hospitals, shelters, kennels, zoos, and other settings.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

COURSE Requirements

Code	Title	Hours/ Units
VETT 50	Veterinary Anatomy and Terminology	3
VETT 52	Small Animal Disease Recognition and Transmission Control	3
VETT 120	Small Animal Veterinary Assistance and Nursing	3
VETT 121	Veterinary Surgical and Dental Assistance	3
VETT 141	Small Animal Veterinary Anesthesia	1.5
VETT 142	Veterinary Pharmacology and Medical Calculations	1.5
VETT 151	Veterinary Laboratory and Imaging Procedures	2
Complete any combination totaling at least 3.00 units from the following:		3
BIO 10	Introduction to Principles of Biology	
BIO 100	Basic Biology Skills	
Select any combination totaling at least 3.00 units from the following:		3
VETT 101	Introduction to Veterinary Careers	
VETT 123	Small Animal Veterinary Emergencies	
VETT 126	Veterinary Technician Review and Board Exam Preparation	
VETT 161	Veterinary Medical Office Procedures	
ANSC 2	Introduction to Farm Animal Health	
ANSC 20	Basic Animal Science	
ANSC 27	Beef Cattle Science	

ANSC 61	Livestock Feeding and Nutrition
ANSC 134	Livestock Reproduction
ANSC 171	Livestock Behavior and Humane Management
EQSC 25	Equine Science
EQSC 60	Equine Anatomy and Physiology
EQSC 110	Equine Nutrition
EQSC 170	Farrier Science
WEE 95	Volunteer Service
WEE 99I	Internship Work Experience Education
Total Hours/Units	**23**

Program Student Learning Outcomes

1. Be qualified to sit for the RVT exam in the State of California through the "Alternate Route" so long as students also complete their state mandated clinical experience hours;
2. Demonstrate competency in the necessary knowledge required for common job tasks in a small animal veterinary hospital context; and
3. Understand the directions from a veterinarian and discuss information to clients regarding common diseases, protocols and procedures in a small animal veterinary hospital context.

Wastewater Operator (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Wastewater Operator skills certificate qualifies students for an Operator-in-Training (OIT) certificate and prepares students for California's State Water Resources Control Board, Wastewater Treatment Plant Operator Certification examination WWTP Grade I.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Wastewater Operator Requirements - Complete 6.00 Units

Code	Title	Hours/ Units
WWTR 112	Math for Water and Wastewater Technology	3
WWTR 120	Wastewater Treatment 1	3
Total Hours/Units		**6**

Program Student Learning Outcomes

1. Recognize, explain and apply primary and secondary treatment processes/purposes commonly used to treat domestic and industrial waste;
2. Perform calculations common to the fields of water distribution technology, water treatment technology, and wastewater treatment technology;
3. Explain the requirements of California Title 23 and qualify to take the State of California Water Resources Control Board, Wastewater Treatment Plant Operator Certification (WWTP) Grade I examination.

Wastewater Treatment Operatns (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Wastewater Treatment Operations Certificate of Achievement provides instructional training necessary for mid-level positions in the operation of wastewater treatment facilities and wastewater collection systems as well as assistance in developing the knowledge to pass the required examinations administered by the California Department of Health Services. Students may continue on to major in this area by completing additional course work and meeting other college requirements to earn an Associates' degree.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Wastewater Treatment Operations - Complete 18.00 Units

Code	Title	Hours/ Units
WWTR 112	Math for Water and Wastewater Technology	3
WWTR 120	Wastewater Treatment 1	3
WWTR 121	Wastewater Treatment 2	3
WWTR 122	Chemistry for Water and Wastewater Technology	3
WWTR 123	Instrumentation and Controls	3
WWTR 124	Pumps and Motors	3
Total Hours/Units		**18**

Program Student Learning Outcomes

1. Read and interpret meters and gauges that monitor the purification process and operation;
2. Apply data to formulas that determine treatment requirements, flow levels, and concentration levels;
3. Collect water samples, operate chemical-feeding devices, and perform laboratory tests;
4. Use information to control pumps, valves, and generators that move wastewater through treatment processes and dispose of the waste materials;
5. Use computers to monitor and regulate processes and equipment and to generate reports; and
6. Apply to take the Wastewater Treatment Plant Operator Examination Grade II.

Water Distribution (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Water Distribution skills certificate prepares students for California's State Water Resources Control Board, Drinking Water Operator Certification Program (DWOCP) Grade D1 & D2 examinations.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Water Distribution - Complete 6.00 Units

Code	Title	Hours/ Units
WTR 111	Water Distribution System Operator	3
WWTR 112	Math for Water and Wastewater Technology	3
Total Hours/Units		**6**

Program Student Learning Outcomes

1. Perform calculations common to the fields of water distribution technology, water treatment technology, and wastewater treatment technology.
2. Operate all facilities in the potable water distribution system classified by the State of California as a Certified D1 Operator or Certified D2 Operator.

Water Treatment (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Water Treatment skills certificate prepares students for California's State Water Resources Control Board, Drinking Water Operator Certification Program (DWOCP) Grade T1 & T2 examinations.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Water Treatment - Complete 6.00 Units

Code	Title	Hours/ Units
WTR 110	Water Treatment Plant Operator	3
WWTR 112	Math for Water and Wastewater Technology	3
Total Hours/Units		**6**

Program Student Learning Outcomes

1. Perform calculations common to the fields of water distribution technology, water treatment technology, and wastewater treatment technology.
2. Perform the skills necessary to independently operate and maintain a water treatment facility at the Certification Grade T1 level and, with minor supervision, at the Certification Grade T2 level.

Water Utility Operations (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Water Utility Operations Certificate of Achievement provides instructional training necessary for mid-level positions in the operation of water treatment facilities and water distribution systems as well as assistance in developing the knowledge to pass the required examinations administered by the California Department of Health Services.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Water Utility Operations Requirements - Complete 18.00 Units

Code	Title	Hours/ Units
WTR 110	Water Treatment Plant Operator	3
WTR 111	Water Distribution System Operator	3
WWTR 112	Math for Water and Wastewater Technology	3
WWTR 122	Chemistry for Water and Wastewater Technology	3
WWTR 123	Instrumentation and Controls	3
WWTR 124	Pumps and Motors	3
Total Hours/Units		**18**

Program Student Learning Outcomes

1. Qualify to take the Certified Examinations at the Treatment (T3) or Distribution (D3) levels;
2. Evaluate careers in water treatment technology;
3. Utilize mathematical methods applicable to the fields of water treatment technology and water distribution technology;
4. Perform laboratory techniques and measure common water quality parameters related to water treatment parameters, such as turbidity and chlorine residual;
5. Meet current industry standards of training for the safe operation of a water treatment plant and delivery of water in a distribution system;
6. Evaluate and regulate water treatment processes and equipment including diagnosing system problems and taking effective actions to solve those problems; and
7. Comply with regulations ensuring the safety and health of the operator and the public.

Weld: Flux Cored Arc: FCAW (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Welding: Flux Core Arc Welding (FCAW) Certificate of Achievement prepares students for work in areas of ship building, bridges and building construction, pipeline construction, refrigeration, missile and aircraft

construction, automobile and related industries where metal must be joined together. Developments in metallurgy have created many types of metals which require new techniques to join and fasten.

Skilled welders are in demand in Sonoma County. Possible job titles include: Welding Helper or Apprentice, Production Helpers, Welder, Welders and Cutters, Assembler/Production worker.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Welding: FCAW Requirements - Complete 9.00 Units

Code	Title	Hours/ Units
MACH 161	Metallurgy	3
WELD 103	Introduction to Flux Cored Arc Welding (FCAW)	2
WELD 113	Thermal Cutting Processes	2
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Demonstrate use of mathematic skills, as needed, in the fabricating industry;
2. Demonstrate the knowledge and skills to safely use tools and equipment in a fabricating/welding shop;
3. Identify the difference between ferrous and non-ferrous metals; and
4. Demonstrate the ability to pass the American Welding Society Unlimited Structural Certification Test code D1.1 FCAW

Weld: Gas Metal Arc: GMAW (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Welding: Gas Metal Arc Welding (GMAW) Certificate of Achievement prepares students for work in areas of ship building, bridges and building construction, pipeline construction, refrigeration, missile and aircraft construction, automobile and related industries where metal must be joined together. Developments in metallurgy have created many types of metals which require new techniques to join and fasten.

Skilled welders are in demand in Sonoma County. Possible job titles include: Welding Helper or Apprentice, Production Helpers, Welder, Welders and Cutters, Assembler/Production worker.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or

3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Welding: GMAW Requirements - Complete 9.00 Units

Code	Title	Hours/ Units
MACH 161	Metallurgy	3
WELD 102	Introduction to Gas Metal Arc Welding (GMAW)	2
WELD 113	Thermal Cutting Processes	2
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Demonstrate use of mathematic skills, as needed, in the fabricating industry;
2. Demonstrate the knowledge and skills to safely use tools and equipment in a fabricating/welding shop;
3. Identify the difference between ferrous and non-ferrous metals; and
4. Demonstrate the ability to pass the American Welding Society Unlimited Structural Certification Test code D1.1 GMAW

Weld: Gas Tungsten Arc: GTAW (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Welding: Gas Tungsten Arc Welding (GTAW) Certificate of Achievement prepares students for work in areas of shipbuilding, bridges and building construction, pipeline construction, refrigeration, missile and aircraft construction, automobile and related industries where metal must be joined together. Developments in metallurgy have created many types of metals that require new techniques to join and fasten.

Skilled welders are in demand in Sonoma County. Possible job titles include: Welding Helper or Apprentice, Production Helpers, Welder, Welders and Cutters, Assembler/Production worker.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.

2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Welding: GTAW Requirements - Complete 9.00 Units

Code	Title	Hours/ Units
MACH 161	Metallurgy	3
WELD 104	Introduction to Gas Tungsten Arc Welding (GTAW)	2
WELD 113	Thermal Cutting Processes	2
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Demonstrate use of mathematic skills, as needed, in the fabricating industry;
2. Demonstrate the knowledge and skills to safely use tools and equipment in a fabricating/welding shop;
3. Identify the difference between ferrous and non-ferrous metals; and
4. Demonstrate the ability to pass the American Welding Society Unlimited Structural Certification Test code D1.1 GTAW

Weld: Shielded Metal Arc: SMAW (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Welding: Shielded Metal Arc Welding (SMAW) Certificate of Achievement prepares students for work in areas of shipbuilding, bridges and building construction, pipeline construction, refrigeration, missile and aircraft construction, automobile and related industries where metal must be joined together. Developments in metallurgy have created many types of metals that require new techniques to join and fasten.

Skilled welders are in demand in Sonoma County. Possible job titles include: Welding Helper or Apprentice, Production Helpers, Welder, Welders and Cutters, Assembler/Production worker.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., “3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56”).

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum “C” grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Welding: SMAW Requirements - Complete 9.00 Units

Code	Title	Hours/ Units
MACH 161	Metallurgy	3
WELD 101	Introduction to Shielded Metal Arc Welding (SMAW)	2
WELD 113	Thermal Cutting Processes	2
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Total Hours/Units		**9**

Program Student Learning Outcomes

1. Demonstrate use of mathematic skills, as needed, in the fabricating industry;
2. Demonstrate the knowledge and skills to safely use tools and equipment in a fabricating/welding shop;
3. Identify the difference between ferrous and non-ferrous metals; and
4. Demonstrate the ability to pass the American Welding Society Unlimited Structural Certification Test code D1.1 SMAW

Welding Technology (Certificate of Achievement)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Welding Technology Certificate of Achievement prepares students for work in areas of ship building, bridges and building construction, pipeline construction, refrigeration, missile and aircraft construction, automobile and related industries where metal must be joined together. Developments in metallurgy have created many types of metals which require new techniques.

Skilled welders are in demand in Sonoma County. Possible job titles include: Helper or Apprentice, Production Helpers, Welder, Welders and Cutters, Assembler/Production worker.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Welding Technology Requirements - Complete 19.00 Units

Code	Title	Hours/ Units
MACH 51.1A	Beginning Machine Tool Technology	3
MACH 161	Metallurgy	3
MACH 162	Blueprint Reading for Machine and Related Industries	3
WELD 101	Introduction to Shielded Metal Arc Welding (SMAW)	2
WELD 113	Thermal Cutting Processes	2
WELD 114A	Introduction to Metal Fabrication	2
WELD 170	Beginning Welding: Fundamentals of Arc and Gas Welding	2
Select any combination totaling at least 2.00 units from the following:		2
WELD 102	Introduction to Gas Metal Arc Welding (GMAW)	
WELD 103	Introduction to Flux Cored Arc Welding (FCAW)	
WELD 104	Introduction to Gas Tungsten Arc Welding (GTAW)	
Total Hours/Units		**19**

Notes

It is recommended that students complete WELD 170 Beginning Welding: Fundamentals of Arc and Gas Welding or an equivalent welding class, or have some trade experience in gas or arc welding prior to beginning this program.

Students should have the desire and ability to work with their hands and possess a high degree of mechanical aptitude. Completion of high school courses in mechanical drawing, blueprint reading, general metals and technical mathematics is also recommended.

Program Student Learning Outcomes

1. Interpret blue prints and identify welding symbols;
2. Utilize the mathematic skills, as needed, in the fabricating industry;
3. Demonstrate the knowledge and skills to safely use tools and equipment in a fabricating/welding shop;

4. Identify the difference between ferrous and non-ferrous metals; and
5. Demonstrate the ability to pass the American Welding Society Unlimited Structural Certification Test.

Yoga: 200-Hour Teacher Train (Skills Certificate)

For questions about this program, please contact the Department Chair (https://academicaffairs.santarosa.edu/department-chairs).

Department websites: https://www.santarosa.edu/departments

Program Description

The Yoga: 200-Hour Yoga Teacher Training Skills Certificate fulfills the requirements of the Yoga Alliance 200-hour Registered Yoga Teacher (RYT 200) which serves as the minimum credential required by many employers of yoga teachers. This program covers yoga techniques including postures, breathing exercises, and meditation; teaching methodology, anatomy and physiology, philosophy, business aspects of yoga, and ethics.

Certificate Requirements

All of the following requirements must be met in order for the certificate to be conferred:

- All coursework and related unit requirements
- A minimum number of units taken in residence
- A minimum standard of scholarship

Coursework and Related Unit Requirements

No course may be used more than once to fulfill a requirement in the certificate. Generally stated, a requirement within a certificate is:

1. A designated course (e.g., NRM 15);
2. A defined combination of courses (e.g., NRM 2.1 and NRM 2.2); or
3. A set number of units that can be fulfilled from a list of courses (e.g., "3 units in any combination from the following: NRM 1, 2, 3, 4, 10, 22, 56").

Residence Requirement

1. A student must complete at least six units or 20 percent of the total units (whichever is greater) of the certificate program at Santa Rosa Junior College. This means that, for certificates of one to six units, all coursework must be completed at SRJC.
2. A student must be enrolled at Santa Rosa Junior College during the semester in which the certificate is awarded.
3. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
4. Implementation of approved residency requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Scholarship Requirement

1. A student must have a minimum "C" grade (or equivalent) in all Santa Rosa Junior College and transferred coursework submitted toward the certificate.
2. A department may propose to exceed the minimum standards set herein. Such proposal would be reviewed by the Educational Planning & Coordinating Council (EPCC) and recommended to the Academic Senate for appropriate action.
3. Implementation of approved scholarship requirements will have an effective date based on the new catalog year, so that all students receive timely, clear, and consistent information about the requirement.

Policy 3.2,Revised December 2012

Yoga 200-Hour Teacher Training Requirements - Complete 11.00 Units

Code	Title	Hours/ Units
KIN 70	Yoga Techniques, Training, and Practice I	3
KIN 71	Yoga Techniques, Training, and Practice II	2
KIN 72	Yoga Teaching Methodology	1
KIN 73	Anatomy and Physiology for Yoga Teachers	2
KIN 74	Yoga Philosophy, Lifestyle, and Ethics	2
Select any combination totaling at least 1.00 unit from the following:		1
KIN 50.2	Yoga Teaching Practicum	
WEE 99I	Internship Work Experience Education	
Total Hours/Units		**11**

Program Student Learning Outcomes

1. Demonstrate correct technique in yoga practices including asanas (postures), pranayamas (breathing practices), and meditation.
2. Develop a personal teaching style that includes effective class management, communication, and addresses multi-level needs and special populations within a group setting.
3. Apply principles of human anatomy, physiology and energy anatomy to yoga practices.
4. Analyze yoga philosophy, values and ethics through yogic texts, and incorporate them into yoga practices.
5. Design and execute, as a lead teacher or assistant, safe and effective yoga sequences and classes.

ANNOUNCEMENT OF COURSES

- Course Numbering (p. 384)
- C-ID Course Identification Numbering System (p. 384)
- Course Symbols (p. 385)
- Prerequisites, Corequisites, and Advisories (p. 385)
- Courses by Subject Code (p. 386)

Course Numbering

The course numbering explanation provided below is to help students easily identify those courses needed as they plan their studies at SRJC.

All courses numbered 299 or lower (1-299) and courses that have transitioned to the new Common Course Numbering System (CCN) beginning Fall 2025, are Associate's Degree courses. They can be applied toward the 60-unit A.A./A.S. graduation requirement and for certificates.

1-49

Courses numbered 1-49 are accepted by the University of California (UC) system and most other four-year colleges and universities. For specific course articulation comparability consult the Counseling Office or the Transfer Center.

1-99

Courses numbered 1-99 are accepted by the California State University (CSU) system. For specific course to course articulation, consult the Counseling Office or the Transfer Center.

Common Course Numbering (CCN) courses

As California Community Colleges comply with AB1111 Legislation, some courses that are approved for UC transfer, CSU transfer, and General Education Credit are beginning to transition in phases to a new common numbering system across the State. An SRJC course example would be ENGL 1A has now become ENGL C1000. You can read more about the CCN project and course transition on the Counseling Website for Common Course Numbering (https://counseling.santarosa.edu/common-course-numbering).

Independent Study 49 and 98 Courses

Independent Study or special project courses are numbered 49 and 98, and are offered to provide an opportunity for students to further their knowledge and skills in a specific subject. They provide the students experience in planning and outlining a course of study on their own initiative under instructor and departmental supervision. These courses are not offered to cover the content of a course that is already part of the College's regular program of instruction.

It is recommended that students who contemplate enrolling for independent study courses should have completed one semester of college work and should have taken at least a minimum of one previous course in the specific department in which they will do the independent study. Students enrolling in an Independent Study course numbered 98 must pursue a major in the occupational area of which the independent study project is a part.

Students desiring to register for an Independent Study course must first develop their own project and submit this in writing for the approval of the instructor who will guide the project, the chairperson of the department in which the course is given, and the appropriate dean. Forms are available in the department or the appropriate dean's office. Three independent study units a semester is considered a reasonable load. A total of six (6) units only, for any combination of 49 and 98 courses, is allowed toward an A.A. degree or toward the 60-unit transfer requirement. In addition, students taking Independent Study courses numbered 49 need to be advised that the University of California (UC) determines credit after transfer, which means that the 49 courses are not counted for admission. (See a counselor for details.)

100-299

Courses numbered 100-299 are associate degree applicable. Although not intended for university transfer, occasionally these courses may be accepted for transfer credit by four-year institutions. The determination of acceptance of these courses will be made by the receiving institution. To check whether an articulation agreement exists for a particular course, consult the Counseling Office or the Transfer Center.

300-399

Courses numbered 300-399 are college credit, non-degree applicable, and basic skill courses. Non-degree credit courses are courses that earn credit but are not counted toward the 60 units required for the associate degree. Non-degree courses are intended to assist students in acquiring skills needed for college level courses. These courses do apply toward residency, athletic eligibility, work study and financial aid, veterans benefits, associated student body office, and full-time status.

400 and Above

Courses numbered 400 and above are non-credit; no college credit is given for these courses.

Experimental Courses: 89S, 129S, 229S & 329S

Experimental or temporary courses are numbered with 89s, 129s, 229s, and 329s. The College may occasionally offer courses with these numbers, which are designed as trial efforts at new curricular content or methods. Such courses are approved for use as electives toward the associate degree, but may not be usable for a requisite course in a degree, certificate, or general education pattern.

C-ID Course Identification Numbering System

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. Thus, if a Santa Rosa Junior College course qualifies for a C-ID number, students can be assured that

it will be accepted in lieu of a course bearing the same C-ID designation at another community college.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer. To confirm how each course will be accepted at a particular four-year college or university for transfer credit, students should always go to www.assist.org (https://www.assist.org/) (the official repository of articulation for California's public colleges and universities).

To view a current list of SRJC courses approved for C-ID numbers, visit https://articulation.santarosa.edu/, and click on "C-ID Qualified Courses".

Course Symbols

Where applicable, following the end of each course description it is noted if the course meets requirements for the SRJC associate degree, CSU General Education pattern, and/or the IGETC pattern. It should be noted that both the graduation and transfer requirements are subject to change. Students should consult their counselors for the latest information.

Prerequisites, Corequisites, and Advisories

If a course has a prerequisite or corequisite indicated, a student is not allowed to enroll in the class unless he or she has met the stated prerequisite(s). A student has the right to challenge a course corequisite/prerequisite based on the following grounds: the corequisite/prerequisite has not been established in accordance with the District's process for establishing corequisite/prerequisites; the corequisite/prerequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner; or the student has the knowledge or ability to succeed in the course or program despite not meeting the corequisite/prerequisite. The burden of proof is on the student. If the challenge is upheld, the student may enroll; if not, the student will be dropped or not allowed to enroll in the class.

Each student is responsible for meeting all course corequisite/prerequisites. Students must receive a satisfactory grade in a prerequisite course in order to enroll in the target course. A satisfactory grade is defined as a grade of Credit (CR)/Pass (P) or C or better.

Policy 8.1, Revised, January 2014

If students have completed the prerequisite at another institution or at SRJC prior to 1981, they must complete and submit a Prerequisite Equivalency Form online at https://admissions.santarosa.edu/forms before registering. Official transcripts from the transfer institution must be on file before the equivalency form can be processed.

If students have not met the prerequisite, but have documented experience, they may complete and submit a Prerequisite Challenge Form located online at: https://admissions.santarosa.edu/forms.

Students may not receive credit for a Santa Rosa Junior College course that is a prerequisite to a Santa Rosa Junior College course he or she has already completed.

Many courses have "recommended preparations." While students can enroll in the course without completing the recommended course, it must be taken seriously. If you are not sure if you are prepared to take a course, see your counselor or advisor.

For an updated list of frequently asked questions related to prerequisites and corequisites, please refer to: https://admissions.santarosa.edu/how-meet-course-prerequisitescorequisites-faq

COURSES BY SUBJECT CODE

A

- Adapted Physical Education (APE) (p. 387)
- Administration of Justice (AJ) (p. 388)
- Adult Education (ADED) (p. 391)
- Advanced Manufacturing Tech (MACH) (p. 396)
- Advanced Transportation (ATL) (p. 397)
- Agriculture (AGRI) (p. 399)
- Agriculture Business (AGBU) (p. 400)
- Agriculture Mechanics (AGME) (p. 401)
- American Sign Language (ASL) (p. 401)
- Anatomy (ANAT) (p. 401)
- Animal Science (ANSC) (p. 402)
- Anthropology (ANTH) (p. 403)
- Applied Technology (APTE) (p. 404)
- Apprenticeship Education (APED) (p. 406)
- Architecture (ARCH) (p. 409)
- Art (ART) (p. 410)
- Art History (ARTH) (p. 413)
- Astronomy (ASTR) (p. 414)
- Athletics (ATHL) (p. 415)

B

- Behavioral Science (BEHS) (p. 418)
- Biology (BIO) (p. 418)
- Botany (BTNY) (p. 420)
- Business Administration (BAD) (p. 420)
- Business Bookkeeping (BBK) (p. 422)
- Business General (BGN) (p. 422)
- Business Management (BMG) (p. 423)
- Business Marketing (BMK) (p. 424)
- Business Office Technology (BOT) (p. 425)

C

- Chemistry (CHEM) (p. 425)
- Child Development (CHLD) (p. 427)
- Chinese (CHIN) (p. 430)
- Civil & Surveying Technology (CEST) (p. 431)
- College Skills (CSKL) (p. 431)
- Communication Studies (COMM) (p. 433)
- Computer Studies (CS) (p. 435)
- Construction Management Tech (CONS) (p. 443)
- Counseling (COUN) (p. 443)
- Culinary Arts (CUL) (p. 444)

D

- Dance (DANC) (p. 451)
- Dental Edu (Assist & Hygiene) (DE) (p. 458)
- Dental Education - Assisting (DA) (p. 458)
- Dental Education - Hygiene (DH) (p. 459)
- Dietetic Technology (DIET) (p. 461)
- Disability Resources Departmnt (DRD) (p. 462)
- Disability Studies (DSS) (p. 463)

E

- Earth and Space Science (ERTH) (p. 463)
- Economics (ECON) (p. 464)
- Education (EDU) (p. 464)
- Education (EDUC) (p. 465)
- Electronic Technology (ELEC) (p. 465)
- Emergency Medical Care (EMC) (p. 466)
- Engineering (ENGR) (p. 469)
- English (ENGL) (p. 470)
- English for Multilingual Students (EMLS) (p. 473)
- Entrepreneurship (ESHP) (p. 478)
- Environmental Science (ENVS) (p. 478)
- Environmental Technology (ENST) (p. 479)
- Equine Science (EQSC) (p. 479)
- Ethnic Studies (ETHS) (p. 479)

F

- Fashion (FASH) (p. 480)
- Film and Media Arts (FMA) (p. 481)
- Fire Technology (FIRE) (p. 483)
- Floristry (FLOR) (p. 488)
- Foods and Nutrition (FDNT) (p. 488)
- French (FREN) (p. 489)

G

- Geographic Information Systems (GIS) (p. 489)
- Geography (GEOG) (p. 490)
- Geology (GEOL) (p. 490)
- German (GERM) (p. 491)
- Graphic Design (GD) (p. 492)

H

- Health Care (HLC) (p. 493)
- Health Education (HLE) (p. 493)
- Heatng, Ventilatn, AC & Refrig (HVAC) (p. 493)
- History (HIST) (p. 494)
- Horticulture (HORT) (p. 496)
- Hospitality (HOSP) (p. 497)
- Human Resources (HR) (p. 498)
- Humanities (HUM) (p. 499)

I

- Interdisciplinary Studies (INTD) (p. 500)
- Interior Design (INDE) (p. 500)
- Italian (ITAL) (p. 501)

J

- Japanese (JAPN) (p. 502)
- Journalism (JOUR) (p. 502)

K

- Kinesiology (KIN) (p. 503)
- Kinesiology Aquatics (KINA) (p. 507)
- Kinesiology Combative (KINC) (p. 508)
- Kinesiology Fitness (KFIT) (p. 509)
- Kinesiology Individual Sports (KINI) (p. 513)
- Kinesiology Team Sports (KINT) (p. 514)

L

- Library & Information Resource (LIR) (p. 515)
- Lifelong Learning (LL) (p. 515)

M

- Mathematics (MATH) (p. 516)
- Medical Assisting (MA) (p. 519)
- Meteorology (MTER) (p. 520)
- Microbiology (MICR) (p. 520)
- Music (MUSC) (p. 521)
- Music Practicum & Performance (MUSP) (p. 524)

N

- Natural Resources (NRM) (p. 528)
- Nursing - RN (NR) (p. 530)
- Nursing- Aide (NRA) (p. 531)

P

- Paralegal Studies (PLS) (p. 531)
- Pharmacy Technician (PHT) (p. 533)
- Philosophy (PHIL) (p. 534)
- Physical Science (PHSC) (p. 535)
- Physics (PHYS) (p. 535)
- Physiology (PHYZ) (p. 536)
- Political Science (POLS) (p. 536)
- Psychology (PSYC) (p. 537)

R

- Radiologic Technology (RADT) (p. 539)
- Real Estate (RE) (p. 541)
- Religious Studies (RELS) (p. 542)
- Renewable Energy (REEN) (p. 543)

S

- Social Science (SOCS) (p. 544)
- Social Work/Human Services (SWHS) (p. 544)
- Sociology (SOC) (p. 545)
- Spanish (SPAN) (p. 546)
- Special Education (SE) (p. 547)
- Statistics (STAT) (p. 547)
- Surveying (SURV) (p. 548)
- Sustainable Agriculture (SUAG) (p. 548)

T

- Theatre Arts (THAR) (p. 549)

V

- Veterinary Tech (VETT) (p. 554)
- Viticulture (VIT) (p. 555)
- Vocational Education (VE) (p. 557)

W

- Waste Water Treatment (WWTR) (p. 557)
- Water Treatment (WTR) (p. 558)
- Welding (WELD) (p. 558)
- Wine Studies (WINE) (p. 559)
- Work Experience - Occupational (WEOC) (p. 562)
- Work Experience Education (WEE) (p. 561)

Adapted Physical Education (APE)

APE 301 Health and Fitness (1.5 Units)
This course is designed for students with disabilities with a focus on health and fitness concepts that are important in making informed choices about one's physical, mental and emotional well-being. Health and fitness resources at the SRJC will be explored.
Grading Type: Letter, Pass/No-Pass

APE 701 Adapted Swimming
This course is designed for students with disabilities and focuses on developing individualized aquatic programs tailored to each student's needs. Students will learn about water safety, aquatic exercise, and fundamental swimming skills, with each program adapted to accommodate the limitations and strengths of the individual. Emphasis is placed on promoting independence and fostering lifelong fitness through supportive, inclusive instruction.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

APE 709 Adapted Body Conditioning
This course is designed for students with disabilities and focuses on promoting lifelong fitness and independence. Students will participate in personalized exercise programs tailored to their individual needs and abilities, emphasizing strength training, cardiovascular endurance, and flexibility. Each program is developed with consideration for the specific limitations associated with different disabilities and skills that support long-term health and self-sufficiency through physical activity.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

APE 710 Adapted Functional Movement
This lab course is designed for students with physical disabilities. Students will work towards achieving functional fitness goals and should be able to use the equipment in the Adapted Physical Education (APE) classroom with limited direct instruction. Students' exercise programs will address: strength, balance, coordination, endurance and flexibility, with an emphasis on independence and developing lifelong fitness skills.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

APE 715 Adapted Dance Lab
Students will be introducted to elements of dance such as rhythm, coordination, body and spatial awareness, movement vocabulary, and creative expression while improving physical conditioning for students with disabilities.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Administration of Justice (AJ)

AJ 21 Introduction to Administration of Justice (3 Units)
This course explores the historical development and philosophy of the administration of justice in America, including theories of crime, punishment, rehabilitation, and the identification of the system and various subsystems, role expectations, and their interrelationships in society. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

AJ 22 Concepts of Criminal Law (3 Units)
In this course, the student will study the historical development, philosophy of law and constitutional provisions in the administration of justice system. The course includes defining and classifying crime, legal research, study of case law, significance of evidence and the investigation, criminal culpability, and principles of criminal defenses. Rec Prep: Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

AJ 25 Community Relations (3 Units)
This course examines the complex, dynamic relationships between communities and the justice system in addressing crime, victimization, conflict, and communication. There is an emphasis on diverse populations within the community and within the justice system. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4

AJ 26 Crime and Criminal Justice in Society (3 Units)
In this course, students will examine the theories of crime causation, the extent of crime in contemporary society, and the social, legal, and political responses to criminal and delinquent behavior. Rec Prep: Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4

AJ 53 Juvenile Procedures (3 Units)
This course is an examination of the origin, development, and organization of the juvenile justice system as it evolved in the American justice system. The course explores the theories that focus on juvenile law, courts and processes, and the constitutional protections extended to juveniles administered in the American justice system. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent or ESL 715.
Transferability: Transferable to CSU
Grading Type: Letter

AJ 55 Criminal Procedures (3 Units)
In this course, student will examination of the development, philosophy, and stages of criminal court proceedings. Emphasis is placed on the court process, particularly the application and interpretation of procedural law, case law, and constitutional law pertaining to the first contact with the system through the appellate process. Rec Prep: Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter

AJ 57 Basic Criminal Investigation (3 Units)
In this course students will examine the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, information sources, evidence utility, scientific analysis of evidence, and the role of the investigator in the criminal trial process. Rec Prep: Eligibility for ENGL 100 or ESL 100.
Transferability: Transferable to CSU
Grading Type: Letter

AJ 61 Introduction to Evidence (3 Units)
Students will study the philosophical and legal basis of evidence. The types of evidence will include: ways of presenting evidence, judicial decisions and statutory rules of evidence governing the admissibility of testimony, writings, and material objects at motions and trial, and constitutional and procedural considerations affecting searches, seizures, admissions and confessions. Rec Prep: Eligibility for ENGL 100 or ESL 100.
Transferability: Transferable to CSU
Grading Type: Letter

AJ 70 Introduction to Corrections (3 Units)
This course is designed to provide the student with an overview of the history and trends of adult and juvenile corrections including probation and parole. It will focus on the legal issues, specific laws and general operation of correctional institutions. The relationship between corrections and other components of the judicial system will also be examined. Rec Prep: Eligibility for ENGL 100 or ESL 100.
Transferability: Transferable to CSU
Grading Type: Letter

AJ 71 Criminal Justice Interviewing & Counseling (3 Units)
In this course students will explore and practice establishing rapport, interviewing skills and methods, record keeping, and counseling techniques for entry-level practitioners in Criminal Justice agencies. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100).
Transferability: Transferable to CSU
Grading Type: Letter

AJ 98 Independent Study in Administration of Justice (1-3 Units)
Special studies in Administration of Justice. Seminars or individual conferences by arrangement to provide for independent study and enriched academic experience on approved research topics. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Prerequisites/Corequisites: Course Completion of AJ 21 and Application to department
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

AJ 99I Administration of Justice Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 223 Basic Police Academy (0.25-22 Units)
In this course, students will undergo training in a Basic Police Academy certified by the Commission on Peace Officer Standards and Training (POST) for the state of California. This intensive 20-week Academy teaches criminal law, laws of search and seizure, laws of evidence, traffic laws, investigative techniques, patrol procedures, firearms, vehicle operations course, defensive tactics, police report writing, first aid, and cardiopulmonary resuscitation (CPR). The Basic Police Academy provides instruction and evaluation of all academic, physical, and behavioral traits required by the state of California to meet the minimum standards to be employed as a peace officer in California. Limits on Enrollment: Students must pass the California Peace Officer Standards and Training (POST) Reading and Writing test with a POST required minimum T-Score of 42 to meet entry level requirements for law enforcement positions. Students must pass a criminal history check as outlined in California Penal code 13511.5. Students must possess a valid driver s license.
Grading Type: Letter

AJ 343 Arrest and Control Instructor (1 Units)
This course is designed to train peace officers how to teach weaponless defense tactic and arrest and control techniques according to the California Commission on Peace Officer Standards and Training (POST). Limits on Enrollment: Must have law enforcement experience or equivalency. Students will be required to provide a medical clearance to participate in the DT Instructor arrest and control techniques, physical conditioning program, and POST required physical performance exam(s).
Grading Type: Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 344 Arrest and Control Instructor Update (0.5 Units)
This course is designed to update peace officers how to instruct weaponless defense tactics and arrest and control techniques according to the California Commission on Peace Officer Standards and Training (POST). Limits on Enrollment: Must show proof of completion of basic defensive tactics course.
Grading Type: Only Pass/No-Pass Credit
Repeats available. Please reach out to your counselor for more information.

AJ 348 Training Manager (0.5 Units)
This course covers topics related to management functions and training. The students will discuss legal issues, training needs assessment, training policies and plans, records management, training resources, and information about the California Commission on Peace Officers Standards and Training (POST).
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 350 Background Investigation (0.5 Units)
This course will orient students to the responsibilities in the public safety pre-employment background investigation process, including how to conduct pre-employment interviews, evaluate suitability for employment and related documentation for a thorough background investigation. Limits on Enrollment: Must possess basic POST certificate or equivalent.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 351 Emergency Vehicle Operations (0.25 Units)
This course is designed to train peace officers in the areas of technical driving on a skills course, collision avoidance simulations, and skid control techniques based on the requirements set forth by the California Commission on Peace Officer Standards and Training (POST). Emergency response and pursuit driving are also covered during this course. Each of the behind-the-wheel exercises is designed to improve current driving skills and develop confidence during emergency vehicle operation. Limits on Enrollment: Must possess basic POST certificate or equivalent
Grading Type: Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 353 Public Safety Dispatcher Basic Course (3 Units)
Students will receive training to learn the skills necessary for entry-level public safety dispatchers who have no prior training or limited experience in the areas of call-taking and dispatching. Topics include the criminal justice system, relatable laws, communication theory, telephone technology and radio procedures, resource and referral services, critical incidents, wellness management, human trafficking, mental health conditions and disability awareness, terrorism and extremist groups, cultural diversity and hate crimes, missing persons, domestic violence, and community policing.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 354 PC 832 Firearms (0.5 Units)
This course fulfills the requirements of Section 832 of the California Penal Code (PC) as mandated by the California Commission on Peace Officer Standards and Training (POST) for agencies authorizing the use of firearms. Students will be introduced to firearms topics including care and maintenance, function, safety, shooting positions, and fundamentals. Successful completion of a POST accuracy test is required for course completion. Limits on Enrollment: A criminal history check is required by state law (13511.5 Penal Code) for non-public safety agency personnel.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 355 Penal Code 832 Powers of Arrest (0.75 Units)
Students will be introduced to criminal law, laws of arrest, search and seizure, and basic law enforcement principles and practices. This course content fulfills the arrest component of the training mandated by California Penal Code Section 832 (PC 832) for employment as a peace officer. The course is certified by the California Commission on Peace Officer Standards and Training (POST) and the State Standards and Training for Corrections Program (STC). Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent. Limits on Enrollment: Students must provide a medical clearance to participate in the academy physical program and state mandated performance exams.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 361 Law Enforcement Supervisor Techniques (2 Units)
This course will provide the necessary training for supervisors of public safety agencies as mandated by the California Commission on Peace Officer Standards and Training (POST) and Standards and Training for Corrections (STC). Students will be introduced to leadership styles, supervision techniques, motivation, communication, problem solving, and discipline issues. Limits on Enrollment: Show proof of completion of basic police academy or equivalent.
Grading Type: Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 363 Health and Safety Code 11550 Drug Recognition (0.5 Units)
This course is designed to assist public safety personnel in identifying individuals who are under the influence of drugs (H and S 11550). Public safety personnel will develop skills and confidence in evaluating individuals suspected of being under the influence of stimulants, depressants, dissociative anesthetics, hallucinogens, opiates, inhalants, cannabis, and alcohol. The course will also give the public safety officer a basic knowledge of other drug related matters with relation to history or drug abuse, new drug trends, 4th and 5th Amendment issues, officer safety, drug packaging, developing expert testimony, report writing techniques, and informant development tips. Limits on Enrollment: Must show proof of Basic Police Academy or equivalent at Director s discretion.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass

AJ 364 Adult Corrections Officer (4.5 Units)
Students will be presented with the required training for entry-level correctional officers as mandated by the Standards and Training for Corrections (STC), a state regulatory agency. Topics include legal issues, communication, classification, contraband, booking, release of information, safety and security of facility and inmates, supervising inmates, report writing, record keeping, ethics, professionalism, physical training, defensive tactics, and restraint techniques. This course provides instruction and evaluation of all academic, physical, and behavioral traits required by the STC to meet the minimum standards to be employed as a correctional officer in the State of California. Limits on Enrollment: Health or Safety\ Students must provide a medical clearance to participate in the academy physical conditioning program and physical performance tests.
Grading Type: Pass/No-Pass

AJ 365 Probation Officer (5.5 Units)
The Probation Officer (PO) Core course presents the required training for entry level probation officers as mandated by the Standards and Training for Corrections (STC), a division of the Board of State and Community Corrections (BSCC), a state regulatory agency. Topics addressed include: the California Justice System, current trends and practices in probation, risk factors for the probationer, information gathering, court reports and presentations, case planning and supervision, transportation, use of force, personal safety, physical training, and defensive tactics. The Probation Officer Core course provides instruction and evaluation of all academic, physical, and behavioral traits required by the STC to meet the minimum standards to be employed as a probation officer in the State of California. Rec Prep: Eligibility for ENGL 100 or ESL 100. Limits on Enrollment: Students must provide a medical clearance to participate in the academy physical conditioning program and physical performance test.
Grading Type: Only Pass/No-Pass Credit

AJ 368 Basic Humane Academy (2 Units)
This course will assist students in the development of basic investigative techniques as they relate to the enforcement of California and federal animal-related law. Students will be introduced to recognizing basic care, neglect, and abuse of animals, collecting evidence, developing basic report writing skills, discussing courtroom testimony and demeanor, and working collaboratively with a team.
Grading Type: Only Pass/No-Pass Credit
Repeats available. Please reach out to your counselor for more information.

AJ 369 Advanced Humane Academy (0.75 Units)
This course will assist students in the development of advanced investigative techniques as they relate to the enforcement of California animal-related law. Students should be prepared to conduct a mock investigation, take photographs, write reports, collect evidence, work collaboratively with a team, and testify in a mock trial. Rec Prep: Course Completion of AJ 368
Grading Type: Only Pass/No-Pass Credit
Repeats available. Please reach out to your counselor for more information.

AJ 380 Officer Training Skills and Topics (0.25-1.5 Units)
Students will be introduced to basic skills and topics as identified by various public safety professions. It is designed for individuals required to update in current laws or recent changes to federal, state, or local mandates. This course will also cover current skills and topics related to public safety training.
Grading Type: Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 380.1 Officer Training Skills and Topics - 1 Day (0.25 Units)
Students will be introduced to basic skills and topics as identified by various public safety professions. It is designed for individuals required to update in current laws or recent changes to federal, state, or local mandates. This course will also cover current skills and topics related to public safety training.
Grading Type: Only Pass/No-Pass Credit
Repeats available. Please reach out to your counselor for more information.

AJ 390 Field Training Officer (1 Units)
This course is designed to train peace officers to become Field Training Officers (FTO) according to the California Commission on Peace Officer Standards and Training (POST). (P/NP Only) Limits on Enrollment: Completion of POST Basic Police Academy, successful completion of a POST-approved Field Training program, minimum one year peace officer experience, and at Director's discretion.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 391 Field Training Officer Update (0.5 Units)
This course is designed to update Field Training Officers (FTO) according to the California Commission of Peace Officer Standards and Training (POST) regulation. Limits on Enrollment: Successful completion of the 40-hour Field Training Officer course, and at Director's discretion.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AJ 715 Supplemental Instruction - Law Enfor. Academies & Inservice
Students who are not meeting the minimum psychomotor, knowledge or performance criteria for State or Federally certified law enforcement or correction courses will use the computer lab/simulators, psychomotor skills practice, performance practice, and instructor led reviews (at a self-paced rate) to meet the standards of these courses. Courses include all AJ203A -380.8.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Adult Education (ADED)

ADED 721 Workplace Arithmetic--Part 1
Students will apply math concepts and problem-solving strategies to specific trades and industries. Skill areas to be covered include basic operations of whole numbers, fractions, and decimals.
Prerequisites/Corequisites: TEST
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 730 First Aid, CPR, and AED
In this course, students will learn the basics of Cardiopulmonary Resuscitation (CPR), Automated External Defibrillator (AED), and First Aid emergency response skills which enable them to give immediate care to a person who has been injured or is experiencing a sudden illness. This course satisfies first-time and renewal certifications, but does not satisfy the requirement for healthcare providers.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 731.1 Child Care Provider 1: Professional Operations and Licensing
Students will be introduced to requirements for obtaining a license as a family home care provider. The course focuses on the National Association for Education of Young Children (NAEYC) code of ethical conduct and the Ten Program Standards as well as California's licensing procedures. Topics emphasize professionalism, health and safety, nutrition, and licensing regulations.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 731.2 Child Care Provider 2: Curriculum and Program Development
Students will be introduced to developmentally appropriate and culturally relevant curriculum in early childhood settings (birth to age 8). Students will develop age-appropriate activities and plan effective learning environments for children in a family child day care setting. Rec Prep: Course completion of ADED 731.1.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 731.3 Child Care Provider 3: Child Development
Students will learn the theories of child development and developmental milestones that guide healthy growth and development of children from birth to age 8. Students will explore the role of the child care provider as a communicator with families and children. Rec Prep: Course Completion of ADED 731.1 and Course Completion of ADED 731.2.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 737.1 Personal Care Attendant 1: Basic Care
Introduction to entry-level Personal Care Attendant skills, including non-medically directed personal care and home management activities. Emphasis is on understanding and working with older patients, caregiver ethics and skills, home safety, physical movement, communication, nutrition, medical guidelines, elder and dependent adult abuse, and workforce preparation.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 737.2 Personal Care Attendant 2: Dementia and End of Life Care
Introduction to caregiving skills for patients with dementia, including Alzheimer's disease. Emphasis is on types and causes of dementia, principles of end-of-life care, advanced planning, emotional issues related to death and dying, cultural diversity as related to death and dying, and community resources to support families and caregivers. Rec Prep: Course Completion of ADED 737.1 (or ADLTED 737.1)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 737.3 Personal Care Attendant 3: Practicum
This course provides students with opportunities to interact with patients/clients in a variety of care settings. The focus of the course is on understanding and learning to work with a variety of patients/clients in order to better adapt to the care setting. Rec Prep: Completion of ADLTED 737.1 and 737.2.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 739 Carpentry Tool Use and Safety
In this course, students will learn about the safe and proper use of hand and power tools in residential carpentry. Students will also learn basic carpentry skills and basic fire resilient building techniques. Students will use tools in basic carpentry projects. Rec Prep: Course Completion of ADED 744 and ADED 746.
Prerequisites/Corequisites: Course Completion or Current Enrollment in ADED 740 (or ADLTED 740)
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 740 OSHA 10 Certification Preparation
In this industrial and construction safety course for entry-level workers, students will learn to recognize and prevent hazards on a job site. Occupational Safety Health Association (OSHA) recommends Safety Certification Training Program courses as an orientation to occupational safety and health for workers covered by OSHA standards, on the specific hazards of the job. Upon successful completion of the course, students will receive an OSHA 10-hour Construction Safety Certification completion card.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 741 Forklift Operation--Sitting and Standing
Students will learn how to drive and operate a sitting and/or standing forklift safely. Rec Prep: Course Completion of ADED 739 (or ADLTED 739).
Prerequisites/Corequisites: Course Completion or Current Enrollment in ADED 740 (or ADLTED 740)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 742.1 Hardscaping 1: Irrigation
This course introduces students to non-plant landscaping with an emphasis on industry-specific terminology related to water use. Students will practice communication skills using common phrases for interacting with clients or future employers. Students will study landscape planning, irrigation systems, graywater and stormwater capture, tools, air quality, workplace safety, and employment opportunities.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 742.2 Hardscaping 2: Non-Plant Features
In this course, students will be introduced to different types of hardscaping non-plant features such as walls, pathways, fences, seating, decks, and pergolas and gazebos. Students will also learn to read and interpret a landscape design plan.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 743 Softscape: Plants and Environmental Conditions
In this course, students will gain softscape knowledge of green gardening and landscaping with emphasis on occupation-specific terminology and communication skills using common phrases for interacting with clients or future employers. Topics include plant identification, selection and care, plant irrigation needs, landscaping plans, safe use of hand and power tools, and workplace readiness. Rec Prep: Concurrent Enrollment in ADLTED 745.3
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 744 Survey of the Building Trades and Construction Industry
In this course, students learn about the construction industry, including the different trades and crafts involved in the construction process, and the training and workforce development opportunities in these trades. Students also learn the purpose and function of different hand tools, power tools, and equipment commonly used in construction.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 745 Construction Equipment Operations
Students will receive classroom theory and hands-on training in the safe and effective operation of a variety of construction equipment, such as forklifts, scissor lifts, telehandlers, compact track loaders, mini-excavators, telescoping boom lifts, site dumpers, and similar machines. This course focuses on safety compliance procedures OSHA (Occupational Safety and Health Administration), pre-operation checklists, and real-world operating scenarios. Rec Prep: Course Completion of ADED 739 (or ADLTED 739). Limits on Enrollment: Age16 or older
Prerequisites/Corequisites: Course Completion or Current Enrollment in ADED 740 (or ADLTED 740)
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ADED 746 Introduction to Plan Reading for Building Trades
This course introduces students to reading and interpreting construction plan views, section cuts, elevations, and details for construction purposes. Students will learn to accurately apply measurements in drawings to varying scales and estimate material quantities for projects from building plans. Rec Prep: Course Completion of ADED 744; AND Course Completion of ADED 721 OR ADED 722.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 747A Carpentry I
Students will learn fundamental carpentry skills involved in residential framing including techniques, materials, tools, and equipment. Students will also learn about safe tool use, the basics of building codes, fire resilient building techniques, and working on a crew. This course will focus on floor and wall systems. Rec Prep: Course Completion of ADED 744 and ADED 721 and ADED 746.
Prerequisites/Corequisites: Course Completion of ADED 740 and ADED 739
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 747B Carpentry II
Students will continue to learn fundamental carpentry skills involved in residential framing including techniques, materials, tools, and equipment. Students will also learn about safe tool use, the basics of building codes, fire resilient building techniques, and working on a crew. This course will focus on roof, ceiling, and stair systems. Rec Prep: Course Completion of ADED 744 and ADED 721 and ADED 746.
Prerequisites/Corequisites: Course Completion of ADED 740 and ADED 739 and ADED 747A
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 748.1 Edible Landscaping
In this course, students will be introduced to designing, growing, and harvesting edible plants in the landscape with a focus on fruits and vegetables. Rec Prep: Course Completion of ADED 744 (or ADLTED 744)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 748.3 Fire Resilient Landscaping
In this course, students will be introduced to residential and commercial landscape and building maintenance practices that reduce risk of structure loss during wildfire and guide safe and effective post-fire mitigation and clean-up. Students will learn principles for fire risk reduction; structure hardening; defensible space; safe and proper use of appropriate tools and equipment; considerations for worker safety and worker rights; relevant laws and regulations; and appropriate prioritization and execution of actions to reduce fire risk. Working under the supervision of qualified professionals, students will visit and/or perform work at selected site(s) as appropriate. Rec Prep: Course Completion of ADED 740 (or ADLTED 740)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 748.4 Introduction to Tree Maintenance and Pruning
Students will learn and practice the basics of tree pruning and maintenance.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 748.5 Introduction to Sprinkler Repair and Maintenance
This course introduces students to the basics of irrigation systems with particular focus on: repairing sprinklers and damaged lines; raising, lowering, and relocating sprinkler heads; troubleshooting the main assembly. Rec Prep: Course Completion of ADED 742.1 (or ADLTED 742.1 or ADLTED 742).
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 748.6 Landscape Equipment Operations
Students will learn about pre-operation, operation, and post-operation maintenance of a variety of commonly used types of landscape equipment. Much of the course focuses on hands-on operation of landscape equipment in safe and effective ways.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 750 General Contractor License Preparation
In this course, students will learn about the prequalifications, application process, required documentation, and the financial and legal obligations of General Contractors. Students will also review the laws, codes, and skills covered on the Contractor's State License Board (CSLB) General Building Contractor (B) licensing exam.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 751 How to Start a Small Business
In this first course in a 3-course series, students will build knowledge and skills, and learn the requirements to start a small business. Students will analyze the requirements for success in business, assess risks and rewards, examine legal considerations, and ascertain the best use of professional assistance.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 752 Small Business Financing
In this second course in a 3-course series, students will learn about the financial aspects of operating a small business. Students will analyze and apply topics in credit and personal budgeting, financial record-keeping, managing cash flow, banking, choosing an adequate record-keeping system, and financing to small business operations.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 753 Marketing for a Small Business
In this third course in a 3-course series, students will learn strategies to successfully market a small business. Students will examine and analyze consumer behavior, identify target market segments, price for profitability, and select promotional tactics and how to integrate these marketing functions into an effective marketing plan. Rec Prep: Course Completion of ADED 751 and ADED 752.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 754.1 Introduction to Basic Tax Law
In this first course of a 2-course series, students will be prepared to file federal and state tax returns for clients and/or volunteer for the free tax preparation program, such as EarnIt! KeepIt! SaveIt! In this course, students will learn basic tax law, which includes the following topics: determining filing status and exemptions, determining taxable income, determining adjusted gross income, computing tax and credits, applying refundable credits, and computing payments/refund.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 754.2 Tax Return Preparation and Filing
In this second course of a 2-course series, students will be prepared to file personal federal and state tax return and/or volunteer for the free tax preparation program, such as EarnIt! KeepIt! SaveIt! In this course, students will learn how to: navigate the IRS website to find information, prepare and file a federal and state tax return using programs such as MyFreeTaxes and TaxSlayer, renew or apply for a new Individual Tax Identification Number (ITIN), make payments to the IRS and track the status of a refund. Rec Prep: Course Completion of ADED 754.1 (or ADLTED 754.1)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 756 Managing a Small Business
This course is designed for students who are interested in improving and growing their small business. Students will learn small business management principles including leadership development, business dynamics, sales and services, finances, and human resources.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 761.1 Basic Computer Operations 1
In this first course in a 3-course series, the student will begin to build competency in basic computer operations. This first course introduces the student to basic functions and uses of the computer including: using the keyboard and mouse, browsing the internet, and creating and using an email account for sending and replying to messages.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 761.2 Basic Computer Operations 2
In this second course in a 3-course series the student will continue to build competency in basic computer operations. This course introduces the student to basic functions and uses of the computer for more complex email actions, online shopping, using classified websites, online bill paying, and creating and saving an Microsoft (MS) Word document. Rec Prep: Course Completion of ADED 761.1.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 761.3 Basic Computer Operations 3
In this third course in a 3-course series the student will continue to build competency in basic computer operations. The student will build their skills in the basic functions and uses of the computer, including: creating and editing email contacts and distribution lists; creating a vacation responder and filters; searching for mail and recalling an email in Gmail; creating events and invitations in Google Calendar; using cut, copy, and paste in Microsoft (MS) Word. Rec Prep: Course completion of ADED 761.2.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 762.1 Computer Operations for the Workplace 1
This is the first course in a 5-course series to build competency in MS Word, Excel, and PowerPoint for personal and professional use. Students will learn to create a variety of documents, format text and paragraphs, and use formatting techniques to stylize a document in Microsoft (MS) Word. Rec Prep: Course Completion of ADED 761.3.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 762.2 Computer Operations for the Workplace 2
This is the second course in a 5-course series to build competency in Microsoft (MS) Word, Excel, and PowerPoint for personal and professional use. Students will learn to insert and format pictures, shapes, text boxes, tables and charts, and add a page border to create a variety of documents in MS Word. Rec Prep: Course Completion of ADED 762.1.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 762.3 Computer Operations for the Workplace 3
This is the third course in a 5-course series to build competency in Microsoft (MS) Word, Excel, and PowerPoint for personal and professional use. The student will learn the basic features of MS Excel to create and format simple worksheets. Rec Prep: Course completion of ADED 762.2.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 762.4 Computer Operations for the Workplace 4
In this fourth course of a 5-course series, students will build competency in MS Office Suite. This course will focus on Excel for personal and professional use. Students will learn to create more advanced worksheets using formulas, tables, charts, and graphs. Rec Prep: Completion of ADED 762.3.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 762.5 Computer Operations for the Workplace 5
In this fifth course of a 5-course series, students will build competency in MS Office Suite. This course will focus on PowerPoint for personal and professional use. Students will learn how to create and format PowerPoint presentations. Rec Prep: Completion of ADED 762.4.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 763.1 Social Media for Business 1
This course is designed for students who want to build and grow their business's marketing through different social media platforms such as Facebook and Instagram. Students will learn to create and manage their social media presence for their business. Rec Prep: Course Completion of ADED 753 or ADED 762.1 or ADED 762.2 or ADED 762.3 or ADED 762.4 or ADED 762.5.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 763.2 Social Media for Business 2
This course is designed for students who want to build and grow their business' marketing through different social media platforms such as TikTok, Pinterest, LinkedIn, and WhatsApp. Students will learn to create and manage a business page in each of these platforms while following social media user guidelines and restrictions. Rec Prep: Completion of ADED 763.1.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 763.3 Social Media for Businesses 3: YouTube
This course is designed for students who want to build and grow their business's marketing through YouTube. Students will create and manage a YouTube channel for their business while properly applying YouTube's user guidelines. Rec Prep: Completion of ADED 763.2.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 764 Introduction to Student Information Systems
In this course, students will be introduced to the basic functions and uses of technology as related to a school district's website and student information systems. Rec Prep: Course Completion of ADED 761.1 (or ADLTED 761.1 or ADLTED 761)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 764.1 Google Tools and Applications- Part 1: Drive and Docs
This is the first course in a 5-course series to build competency in web-based applications and programs for personal and professional use. Students will advance their knowledge of the Google suite of apps: Google Drive and Docs. Students will learn how to create, edit, share, and collaborate on files in Google Drive and Docs, and understand their purpose and use in a personal and professional setting. Rec Prep: Course completion of ADED 761.2 OR ADED 761.3.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 764.2 Google Tools and Applications- Part 2: Sheets
This is the second course in a 5-course series to build competency in web-based applications and programs for personal and professional use. Students will advance their knowledge of Google Sheets, part of the Google suite of apps. The student will learn how to create, edit, share, and collaborate on files in Google Sheets and understand their purpose and use in a personal and professional setting. Rec Prep: Course completion of ADED 764.1.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 764.3 Google Tools and Applications- Part 3: Slides
This is the third course in a 5-course series to build competency in web-based applications and programs for personal and professional use. The student will advance their knowledge of Google Slides, part of the Google suite of apps. The student will learn how to create a presentation, add visual elements, apply textual formatting, import and convert a presentation and share a presentation. Rec Prep: Course completion of ADED 764.1 or ADED 764.2.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 764.4 Google Tools and Applications- Part 4: Forms and Blogger
In this fourth course of a 5-course series, students will build competency in web-based applications and programs for personal and professional use. In this course, students will advance their knowledge of Google Forms and Blogger. Upon completion of the course, students will know how to create, edit, share, and send Google Forms. Students will also be able to create and manage a blog using Google Blogger. Rec Prep: Completion of ADED 764.1, or ADED 764.2, or ADED 764.3.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 764.5 Google Tools and Applications- Part 5: Photos and Sites
In this fifth course of a 5-course series, students build competency in web-based applications and programs for personal and professional use. In this course, students will advance their knowledge of Google Photos and Sites. Upon completion of the course, students will be able to manage, organize, and share photos utilizing Google Photos. Students will also be able to create, personalize, preview, and, publish a Google Site. Rec Prep: Completion of ADED 764.1, or ADED 764.2, or ADED 764.3, or ADED 764.4.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 766.1 Workforce Preparation 1: Soft Skills in the Workplace
In this first course of a three-part series in workforce preparation, students will focus on essential soft skills for success in the workplace, such as roles in the workplace and effective communication and interpersonal skills.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 766.2 Workforce Preparation 2: Lifelong Learning/ Professionalism
In this second course of a three-part series in workforce preparation, students will develop lifelong learning skills, problem solving skills, and professionalism for success in the workplace. Rec Prep: Course Completion of ADED 766.1 (or ADLTED 766.1)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 766.3 Workforce Preparation 3: Communication, Customer Service
In this third course of a three-part series in workforce preparation, students will focus on communication, customer service, and conflict resolution for success in the workplace. Rec Prep: Course Completion of ADED 766.1 and ADED 766.2.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 766.5 Workforce Preparation 5: Transition To Careers: Practicum
In this course, students will be introduced to the necessary information, resources, choices, strategies, and decision-making processes used to transition to a career. Students will gain a better understanding of the recruiting, onboarding, training, and management practices of industry and public employers, workflow in the job environment, and professional expectations and interactions through observation of and reflection on the job environment.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 766.7 Workforce Preparation 7: Introduction to Workplace Writing
Students will use common workplace vocabulary and terms, as they apply to writing in sentences, paragraphs, and short letters, memos, instructions, reports, and emails. Students will review basic English fundamentals emphasizing effective grammatical usage, effective sentence construction, punctuation, and spelling. Rec Prep: Course Completion of ADED 766.3 (or ADLTED 766.3)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 771 Customer Service
Introduction to principles and techniques for delivering outstanding customer service. Students will examine the attributes of customer service-oriented businesses and development of appropriate customer service skills.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 791 Personal Finance
In this course, students will gain the basic building blocks of financial literacy. Students will learn about personal financial management skills, positive banking relations, and financial security. Topics include personal budgeting, savings, credit, banking services, and consumer installment loans.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ADED 792 Planning for the Financial Future
Students will learn to review an individual financial situation, develop financial goals for retirement, and identify appropriate means to achieve these goals. Topics will include financial goal setting, life insurance, different types of retirement accounts, and investment options. Rec Prep: Course Completion of ADLTED 723
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Advanced Manufacturing Tech (MACH)

MACH 51.1A Beginning Machine Tool Technology (3 Units)
In this course, students will learn the theory and practices of machining and advanced manufacturing processes, including the history and role of machining in today's society. Students will use and maintain the lathe, mill, drill press, and common hand tools. Students will learn precision measurement and layout of metal for producing a machined part to print specifications and determining speed and feed calculations, drill-press operations, lathe operations (turning and threading), and mill setup and operation. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100).
Transferability: Transferable to CSU
Grading Type: Letter

MACH 51.1B Advanced Machine Tool Technology (3 Units)
Students will explore advanced machining processes involving the use and maintenance of lathe, mill, drill press, lasers, and common hand tools. Students will also engage in measurement, layout, and tolerance application processes relevant to industrial manufacturing. This course provides project-based learning using multiple machining operations and multiple-part assemblies; more in-depth coverage of properties of materials and Geometric Dimensioning and Tolerancing, including the development of inspection gages. Solid modeling development using Computer-Aided Design (CAD) software and print creation. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course completion of MACH 51.1A
Transferability: Transferable to CSU
Grading Type: Letter

MACH 80A Computer Numeric Control Machining I (5 Units)
This course introduces students to theoretical and operational characteristics of the Computer Numerical Control (CNC) machine tools. Students will be introduced to the integration of Computer-aided Drafting (CAD), design, and programming for Computer-aided Machining (CAM) of machine parts on the CNC machine tools. Applicable to entry-level computer numeric control machine tools operators. Rec Prep: Course Completion of CS 5.
Prerequisites/Corequisites: Course Completion or Current Enrollment in MACH 51.1A (or MACH 51A)
Transferability: Transferable to CSU
Grading Type: Letter

MACH 80B Computer Numeric Control Machining II (5 Units)
Students will learn intermediate operation and programming of Computer Numerical Control (CNC) machine tools. Students will also engage in integration of Computer-aided Drafting (CAD), design, and programming for Computer-aided Machining (CAM) of machine parts on the CNC Machines. Applicable to entry and mid-level computer numerical control machine operators.
Prerequisites/Corequisites: Course Completion of MACH 80A
Transferability: Transferable to CSU
Grading Type: Letter

MACH 98 Independent Study in Machine Tool Technology (1-3 Units)
The student will participate in special projects, as arranged with the instructor, to facilitate independent study and enhance the academic experience in Machine Tool Technology. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

MACH 161 Metallurgy (3 Units)
Students will study metals including alloying, heat treating, testing and applications in industry.
Grading Type: Letter

MACH 162 Blueprint Reading for Machine and Related Industries (3 Units)
Interpretation of engineering drawings and specification for machinists and welders: Explanation of the rules, symbols, and relationships covered in blueprints, assembly drawings and weldments. Emphasis on American National Standards Institute (ANSI)/American Society of Mechanical Engineers (ASME) Y14.5 Geometric Dimensioning and Tolerancing (GD&T) Standards and use of Coordinate Measuring Machine (CMM) for inspection of GDT specifications.
Grading Type: Letter

Advanced Transportation (ATL)

ATL 98 Independent Study in Advanced Transportation (1-3 Units)
Seminars or individual conferences by arrangement to provide for independent study and enriched academic experience in auto mechanics. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair, and Supervising Administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

ATL 100 Introduction to Transportation Technology (2 Units)
Students will explore the theory of operation, routine maintenance, technical vocabulary, components, systems, and basic safety procedures relating to Advanced Transportation and the Advanced Transportation repair technician. Topics include careers, employability skills, workplace practices, safety, personal protection, the basic maintenance and repair of transportation equipment and its systems for the entry-level transportation maintenance technician. Students will be introduced to internal combustion engines: gasoline, diesel, and hydrogen; electric power and alternative fuels; automotive technology; medium and heavy duty trucks; public transportation; agricultural and construction equipment. Rec Prep: Eligibility for ENGL 1A or equivalent
Grading Type: Letter, Pass/No-Pass

ATL 101 Transportation Information Systems and Shop Practices (3 Units)
Students will explore Transportation Information Systems and mobile networks, specialized internal communications network (BUS), diagnostic tools, service information lookup and application, use of basic tools and safety procedures relating to advanced transportation and the advanced transportation repair technician. Topics include careers, employability skills, workplace practices, safety, personal protection, BUS and Data systems for the entry level transportation maintenance technician. Students will be introduced to internal combustion engines: gasoline, diesel, and hydrogen; electric power and alternative fuels; automotive technology; medium and heavy duty trucks; public transportation; agricultural and construction equipment. Rec Prep: Eligibility for ENGL C1000 or equivalent and eligibility for MATH 25 or equivalent.
Grading Type: Letter, Pass/No-Pass

ATL 105 Service Writing and Shop Management (2 Units)
Students will study automotive service advising, ethics, and shop management. Topics include communications, customer service, legal documents (California Bureau of Automotive Repair (BAR)), business interactions, billing, parts and labor guides, shop management applications, shop operations, sales, vehicle identification, and systems operations. Course content is aligned with tasks identified by Automotive Service Excellence (ASE) Educational Foundation. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101
Grading Type: Letter, Pass/No-Pass

ATL 110 Internal Combustion Engine Theory and Repair (3 Units)
Students will learn internal combustion, fuel-agnostic engine fundamentals including configurations and designs, operation, diagnostic tests, disassembly, inspection, assembly, timing chains and belts, valve adjustments, cooling systems, introduction to engine machining, proper use of shop related tools and equipment, and safety practices. Fuel-agnostic refers specifically to low-carbon and zero-carbon fuels: hydrogen, natural gas, propane, clean diesel, etc. Lecture, demonstration, and practical lab experience also emphasize proper and safe use of tools and equipment. Prepare students to take the Automotive Service Excellence (ASE) A1 Engine Repair, T1 Gasoline Engines or D2 Diesel Engines certification tests (Mechanical portions). Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and ATL 161
Grading Type: Letter, Pass/No-Pass

ATL 111 Electric and Hybrid Vehicle Powertrain Systems (3 Units)
Students will explore the use of hybrid and electric battery power for vehicle transportation. Topics include safety when using high voltage, maintenance, drivability, inverter, DC/DC power transfer, and battery technology. Physics of battery storage, hybrid generation systems, electric vehicle applications and their integrated systems will be discussed. Hybrid and high-voltage service and maintenance procedures will be covered. This course serves as preparation for the student to successfully complete the Automotive Service Excellence (ASE) L3 Light Duty Hybrid/Electric Vehicle Specialist certification test.
Prerequisites/Corequisites: Course Completion of ATL 162
Grading Type: Letter, Pass/No-Pass

ATL 120 Automotive Automatic Transmission and Transaxle Systems (3 Units)
Students will explore theory and operation, diagnosis, service, and repair of automotive automatic transmissions and transaxles. Course prepares student for Automotive Service Excellence (ASE) A2 Automatic Transmission/Transaxle certification test. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and ATL 161
Grading Type: Letter, Pass/No-Pass

ATL 130 Automotive Manual Transmissions and Drive Train Systems (3 Units)
Students will learn theory and operation, diagnosis, service, and repair of automotive manual transmissions and drive trains. Course prepares student for Automotive Service Excellence (ASE) A3 Manual Drive Train & Axles certification test. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and ATL 161
Grading Type: Letter, Pass/No-Pass

ATL 140 Automotive Suspension and Steering Systems (3 Units)
Students will learn automotive suspension and steering fundamentals including diagnosis, inspection, repair, and adjustment of automotive steering, suspension, supplemental restraint, tire pressure monitoring, and alignment systems, and theory of operation. Course prepares students to pass the Automotive Service Excellence (ASE) A4 Suspension & Steering certification test. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and ATL 161
Grading Type: Letter, Pass/No-Pass

ATL 150 Automotive Braking Systems (3 Units)
Students will learn automotive braking systems including diagnosis, inspection, repair, and adjustment of modern automotive brakes and anti-lock braking systems, traction control, and dynamic stability control systems, theory of operation, the study of basic laws of hydraulics, and brake service equipment. Course prepares students to pass the Automotive Service Excellence (ASE) A5 Brakes certification test. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and ATL 161
Grading Type: Letter, Pass/No-Pass

ATL 161 Mobile Electrical Systems 1 (3 Units)
Students will explore automotive electrical and electronic fundamentals including Ohm's Law, basic electrical circuits, components, battery, starting, charging, basic wiring systems, electrical components, the use of basic wiring diagrams for trouble shooting systems, repair of wiring circuits and correct use of diagnostic equipment. This course prepares students to take the Automotive Service Excellence (ASE) A6/T6 Electrical/Electronic Systems certification test along with ATL 162 Mobile Electrical Systems 2. This course conforms with ASE Education Foundation instructional guidelines. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Grading Type: Letter, Pass/No-Pass

ATL 162 Mobile Electrical Systems 2 (3 Units)
Students will learn mobile equipment body electronics, vehicle lighting, instrumentation, Original Equipment Manufacture (OEM) audio, navigation, communication systems, supplemental restraint systems, starter interlock systems, vehicle security systems, and computer-controlled charging systems. This course prepares students to take the Automotive Service Excellence (ASE) A6/T6 Electrical/Electronic Systems certification test. This course conforms with ASE Education Foundation instructional guidelines.
Prerequisites/Corequisites: Course Completion of ATL 101 and ATL 161
Grading Type: Letter, Pass/No-Pass

ATL 163 Mobile Electrical Systems 3 (3 Units)
In this course, students will be introduced to hybrid and electric vehicle diagnosis and repair processes and Advanced Drivers Assistance Systems (ADAS). These technologies are also the foundation for autonomous vehicles. Along with outside experience with ADAS equipment, this course could be a preparation for the student to successfully complete the Automotive Service Excellence (ASE) L4 ADAS Specialist certification test. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates..
Prerequisites/Corequisites: Course Completion of ATL 140 and of ATL 111
Grading Type: Letter, Pass/No-Pass

ATL 170 Mobile Heating and Air Conditioning Systems (3 Units)
Students will study the theory, service, and repair of many types of mobile heating and air conditioning systems. This course includes environmental and safety concerns using R-12, R-134a, and R-1234yf refrigerants. Engine heating and cooling, manual and automatic system controls will also be introduced. Prepares the student to take the Automotive Service Excellence (ASE) A7 Heating and Air Conditioning or T7 Heating, Ventilation and Air Conditioning (HVAC) certification tests. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and ATL 161
Grading Type: Letter, Pass/No-Pass

ATL 180 Internal Combustion Engine Performance (3 Units)
Students will explore the operation, troubleshooting and repair of the ignition, fuel, and emission control systems of late model automobiles through lecture, demonstration, and practical lab. This course emphasizes safety and the proper use of tools and diagnostic equipment. This course also prepares students to pass the Automotive Service Excellence (ASE) A8 Engine Performance certification test, and enter the automotive trade as an apprentice level technician specializing in engine performance and emission control. This course conforms with ASE Education's instructional and content guidelines. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of ATL 110 and ATL 162
Grading Type: Letter, Pass/No-Pass

ATL 188 Clean Air Car Course: BAR Levels 1 & 2 (5 Units)
This course is designed for automotive professionals who wish to obtain or renew a State of California Bureau of Automotive Repair (BAR) smog license. This is a BAR approved training class, which includes both Level 1 and Level 2 training. This course fulfills the training portion of BAR qualifications to take the Smog Technician licensing examination. A minimum of nine units completed in Auto Electric and Engine Performance education, OR one year of verifiable trade experience in auto electrical, engine performance and emission control diagnosis and repair, is strongly recommended in order to be successful in this course. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of ATL 180
Grading Type: Letter, Pass/No-Pass

ATL 189 BAR Repair Technician Update Training (0.5-2 Units)
Students will complete the California Bureau of Automotive Repair (BAR) smog check Repair Technician update training. The course includes current training materials as recommended by BAR as well as the required examination. A passing exam score qualifies student to renew a valid smog technician license, or apply to take the California BAR. Rec Prep: Eligibility for ENGL 1A or equivalent.
Grading Type: Letter, Pass/No-Pass

ATL 220 Diesel Fuel Systems (3 Units)
An in-depth study of heavy-duty diesel engine fuel and electronic control systems. Students will perform service, maintenance, and diagnosis of diesel engine fuel systems. Topics include Common Rail Fuel Injection, Heavy Duty Onboard Diagnostic (HD-OBD) emissions systems, and electronic signal processing and sensor technology. This course prepares students to pass the Automotive Service Excellence (ASE) T2 Diesel Engines or A9 Light Vehicle Diesel Engines certification tests. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 110 and ATL 162
Grading Type: Letter

ATL 230 Medium Heavy Truck Drivetrain (3 Units)
Students will learn the theory, operation, diagnosis, service and overhaul of clutches, manual transmissions, and rear axle assemblies. Course prepares students to pass the Automotive Service Excellence (ASE) T3 Drive Train certification test. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and Course Completion OR Concurrent Enrollment in ATL 161
Grading Type: Letter

ATL 240 Medium Heavy Truck Brakes and Suspension (3 Units)
Students will learn about heavy-duty chassis and undercarriage systems including steering, braking, and suspension systems utilized on trucks, agricultural equipment, and construction equipment. Course prepares students to pass the Automotive Service Excellence (ASE) T4 Brakes certification test. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and Course Completion or Concurrent Enrollment in ATL 161
Grading Type: Letter

ATL 280 Medium Heavy Truck Preventive Maintenance Inspection (3 Units)
Students will study preventive maintenance and inspection practices as related to diesel powered medium heavy-duty vehicles and equipment. Course prepares students to pass the Automotive Service Excellence (ASE) T8 Preventive Maintenance Inspection certification test. This is a practical course that applies the knowledge gained from courses ATL 220, 230, 240 and 290. For the ATL Medium Heavy Trucks (MHT) certificate programs, WEOC 99 can be substituted for this course. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 105 and ATL 220 and ATL 230 and ATL 240 and ATL 290
Grading Type: Letter

ATL 290 Mobile Hydraulic Systems (3 Units)
Students will study the theory, application, and component parts of hydraulic systems. This course emphasizes fundamentals in inspection, troubleshooting, and repair of hydraulic components commonly used in agricultural and construction equipment. Rec Prep: Eligibility for ENGL C1000 or equivalent and MATH 25 or equivalent.
Prerequisites/Corequisites: Course Completion of ATL 101 and Course Completion or Concurrent Enrollment in ATL 161
Grading Type: Letter

Agriculture (AGRI)

AGRI 20 Introduction to Plant Science (4 Units)
In this introductory plant science course, students will explore the structure, physiology, tissue and organ systems, growth, propagation, metabolic processes, plant hormones, mineral nutrition, biological competitors, mendelian genetics, crop improvement techniques, post-harvest practices as they relate to production of food, fiber, and ornamental plants. In addition, students will be exposed to basic laboratory techniques including microscopy and sterile techniques. Laboratory required. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

AGRI 30 Introduction to Soil Science (3 Units)
This course is an introduction to the science, ecology and management of soils. A key focus of the class is viewing soil health as the basis for ecological land management and discussing management practices to conserve and improve soils. Soil physical, chemical and biological properties and processes are all examined in detail through class lectures and discussion. The class laboratory focuses on evaluating soil health with field measurements, laboratory analyses, and calculations, including using soil testing to develop soil nutrient plans. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5

AGRI 56 Agricultural Enterprise Project (2-4 Units)
In consultation with instructor, students will select a specific agricultural/horticultural/forestry crop, commodity, or product and develop an enterprise project, using the resources at Shone Farm or other locations (with instructor's approval). Projects involve field experience in production and management techniques, marketing methods, and eventual sale of the chosen agricultural/horticultural/forestry crop, commodity, or product. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Prerequisites/Corequisites: Course Completion or Current Enrollment in any of the following courses: AGRI 20, AGRI 60, ANSC 20, EQSC 25, NRM 60, NRM 70, VIT 51, or WINE 3
Transferability: Transferable to CSU
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AGRI 70 Integrated Pest Management (3 Units)
Exploration of major agricultural pests, including insects, weeds, and diseases, and their impact on commercial crops and the landscape. The course focuses on integrated pest management (IPM), including cultural, biological, mechanical/physical, and chemical control methods. Course is designed to assist students in preparing for California licensing exams in pest management. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

AGRI 98 Independent Study in Agriculture (1-3 Units)
Special projects by arrangement to provide for independent study and enriched academic experience in Agriculture. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

AGRI 99I Agriculture Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

AGRI 101 Introduction to Agricultural Careers (2 Units)
This class will provide an overview of the full variety of agriculture careers. Students will explore different fields of study, career options, and requirements to achieving career goals. A special focus will be placed on programs available at the Santa Rosa Junior College which includes agribusiness, animal science, equine science, floristry, horticulture, natural resource management, sustainable agriculture, veterinary medicine, viticulture, and wine studies.
Grading Type: Letter, Pass/No-Pass

Agriculture Business (AGBU)

AGBU 2 Agricultural Computer Applications (3 Units)
In this course, students will explore the uses of computers in the workplace with emphasis on agribusiness situations. In addition, students will develop business documents and tools using application software packages such as Microsoft Office, presentation software, Freeware applications (e.g. Google Suite). Also included in this course will be the use of spreadsheet and database applications for business data management and analysis. Rec Prep: Eligibility for ENGL C1000 (ENGL 1A) or equivalent and Course Completion of CS 5.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

AGBU 7 Agricultural Economics (3 Units)
In this course, students will explore the factors affecting demand, supply, and market pricing for food, fiber, and agricultural inputs. Students will examine the factors of production, production costs, market structures, price system, and their applications in agriculture. This course also includes the discussion of local and federal agricultural policies, including risk management and the implications for agribusiness and trade. Rec Prep: Eligibility for ENGL C1000 or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4

AGBU 56 Introduction to Agriculture Business and Management (3 Units)
In this course, students will explore the structure and organization of agricultural businesses. Students will identify and discuss the requirements for establishing agricultural businesses, funding sources, principles of financial management and decision-making. Students will also examine the economic aspects of agriculture, food systems and the implications for consumers and communities.
Transferability: Transferable to CSU
Grading Type: Letter

AGBU 105 Agricultural Finance (3 Units)
In this introductory course, students will explore federal agricultural loan and credit programs, agricultural lending, financing options, private equity investment, venture capital, financial institutions, financial and investment analysis. In addition, students will examine financial risk, insurance, futures exchanges, legal aspects of agricultural finance, and the principles and practices for financing different forms of legal business organizations in agriculture. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) ; AND MATH 150.
Grading Type: Letter

AGBU 151A Agriculture Leadership & Mentor Training Level 1 (3 Units)
In this course, students will study leadership theories and practices and their applications in agricultural organizations. The content is organized to provide students the skills for understanding group dynamics, leadership development, effective communication, agriculture literacy, and advocacy within private and public agriculture organizations. Students will gain practical experience through planning and participating in a number of community and outreach events in the agriculture industry. This course is the first level in a four-part Ag leadership/Ag mentorship series.
Grading Type: Letter

AGBU 151B Agriculture Leadership & Mentor Training Level 2 (3 Units)
Studens will prepare for a variety of leadership roles in agricultural organizations. Experience will be gained through participating and leading in several activities including leadership training, agriculture literacy events, student recruitment, mentorship, and planning/implementing/evaluating events within the agriculture industry. This course is level 2 in the Agricultural Leadership/Mentor training series. Note that specific assignment topics, class activities, and events will vary based on the semester and the student's training level.
Prerequisites/Corequisites: Course Completion of AGBU 151A (or AGBU 151 or AGBUS 151)
Grading Type: Letter, Pass/No-Pass

AGBU 151C Agriculture Leadership & Mentor Training Level 3 (3 Units)
Students will further develop their experience in and understanding of leadership roles in agricultural organizations. Experience will be gained through organizing and facilitating several activities including leadership training, agriculture literacy events, student recruitment, mentorship, and planning/implementing/evaluating events within the agriculture industry. This course is level 3 in the Ag Leadership/Mentor training series. Note that specific assignment topics, class activities, and events will vary based on the semester and the student's training level.
Prerequisites/Corequisites: Course Completion of AGBU 151B (or AGBU 152 or AGBUS 152)
Grading Type: Letter, Pass/No-Pass

AGBU 151D Agriculture Leadership & Mentor Training Level 4 (3 Units)
Students will gain increased experience in leadership of agricultural organizations and the agriculture industry. Experience will be gained through organizing and facilitating several activities including leadership training, agriculture literacy events, student recruitment, mentorship, and planning/implementing/evaluating events within the agriculture industry. At this level, students will serve as a college mentor for several local high school and/or college agriculture students. This course is the final course in the four-part Ag Leadership/Mentor training series. Note that specific assignment topics, class activities, and events will vary based on the semester and the student's training level.
Prerequisites/Corequisites: Course Completion of AGBU 151C
Grading Type: Letter, Pass/No-Pass

Agriculture Mechanics (AGME)

AGME 50 Agricultural Machinery and Equipment Skills (3 Units)
Students will examine design principles, selection, maintenance, adjustment, and safe operation of wheel and track-type tractors used in the agriculture and construction industries. This course emphasizes proper techniques for the operation and service of common farm implements.
Transferability: Transferable to CSU
Grading Type: Letter

AGME 163 Small Gasoline Engines (2 Units)
The practical aspects of the repair and safe operation of small gasoline engines are emphasized. Troubleshooting, disassembly, repair, reassembly and appropriate use of engines found on equipment such as lawn mowers, rototillers, blowers, weed eaters, etc., are covered. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

American Sign Language (ASL)

ASL 1 Elementary American Sign Language - Part 1 (4 Units)
Introduction to elementary American Sign Language, focusing on both receptive and expressive skills, ASL literature, and Deaf culture and community. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

ASL 2 Elementary American Sign Language - Part 2 (4 Units)
Continuation of instruction in elementary American Sign Language using appropriate linguistic and cultural principles. Instruction increases and expands conversational strategies and comprehension of ASL grammatical structures. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Prerequisites/Corequisites: Course Completion of ASL 1
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ASL 3 Intermediate American Sign Language - Part 1 (4 Units)
The course builds on the foundation of skills and knowledge learned in both American Sign Language 1 and 2 (ASL 1 and 2) and increases and expands comprehension, production, and conversational strategies as covered in ASL 1 and 2. Students will learn more complex grammatical features through narratives and dialogues and they will increase their knowledge of both linguistic and cultural content.
Prerequisites/Corequisites: Course Completion of ASL 2
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

ASL 4 Intermediate American Sign Language - Part 2 (4 Units)
Intensive instruction in advanced intermediate American Sign Language using appropriate linguistic and cultural principles. Instruction will focus on several broad areas: exchanging personal information about life events; describing and identifying things; and talking about events and activities in the past, present and future.
Prerequisites/Corequisites: Course Completion of ASL 3
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

ASL 56 ASL Fingerspelling and Numbers (2 Units)
Students will be introduced to fingerspelled and numerical systems in American Sign Language (ASL). This course provides intensive instruction in the receptive and expressive practice of fingerspelling and numbers at increasing levels of complexity. Rec Prep: Course Completion or Concurrent Enrollment in ASL 1.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ASL 57 Classifiers in American Sign Language (2 Units)
Students will be introduced to the visual and gestural aspects of classifiers in American Sign Language (ASL). Students will study various classifier types and functions and learn how to identify and incorporate classifiers in a variety of discourse styles and formats such as dialogues, presentations, and storytelling. Rec Prep: Course Completion or Concurrent Enrollment in ASL 1.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Anatomy (ANAT)

ANAT 1 General Human Anatomy (5 Units)
Students will study the gross and microscopic structure of human tissues, organs, and organ systems. This course includes dissection of human cadavers. (Intended for nursing and dental hygiene majors.)
Prerequisites/Corequisites: Completion of BIO 10 or higher (V7) and Course Completion of ENGL C1000 OR EMLS 10 (formerly ESL 10)
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID BIOL 110 B
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

ANAT 40 Introduction to Human Anatomy and Physiology (4 Units)
Introductory course in human anatomy and physiology. Covers the structure and function of all organ systems of the body. Meets general education requirement. (Intended for pre-paramedic students.) Rec Prep: Completion of HLC 160 and CHEM 60.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

ANAT 58 Introduction to Human Anatomy (3 Units)
A survey of human anatomy, including study of tissues, organs, and organ systems. This introductory course is designed for students who require a fundamental background in human anatomy. Course is a prerequisite for radiologic technology and Licensed Vocational Nursing (LVN); an alternative prerequisite for medical assisting programs; it is not intended for nursing (RN), dental hygiene, or physical therapy majors.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5

ANAT 140 Fundamentals of Anatomy and Physiology (2 Units)
Course covers the fundamentals of human anatomy and physiology. Intended for students in medical assisting programs.
Grading Type: Letter, Pass/No-Pass

Animal Science (ANSC)

ANSC 2 Introduction to Farm Animal Health (3 Units)
In this course students will explore common livestock diseases and fundamentals of immunity. Students will also discuss the role of livestock technicians in promoting animal health and the foundation of disease control programs. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ANSC 20 Basic Animal Science (3 Units)
In this course, students will examine different aspects of the livestock industry including animal anatomy, physiology, nutrition, genetics and epidemiology. Students will also evaluate scientific and economic trends, and career opportunities in animal agriculture. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5

ANSC 27 Beef Cattle Science (3 Units)
A study of the principles of purebred and commercial beef cattle production throughout the World, United States, and California. Emphasis to be placed on the importance of breeds, breeding principles, selection, nutrition, environmental management, health, marketing, and recordkeeping to ensure scientifically based management decisions of beef cattle. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

ANSC 29 Dairy Cattle Industry/Dairy Cattle Science (3 Units)
History, development and management strategy of the dairy industry. General information on the economics of dairy production and management including trends, selection, culling, genetics, reproduction and production management; employment opportunities will be covered as well. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

ANSC 52 Meat Science (3 Units)
This course is an introduction to the meat industry with a special emphasis on meat products and value added meat processing techniques. It includes concepts of food safety and sanitation, grading and inspection along with preservation and marketing strategies to meet current consumer demands. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ANSC 61 Livestock Feeding and Nutrition (3 Units)
In this course, students will learn the science of animal nutrition, including the functions of major nutrient classes and fundamentals of digestion and absorption in both ruminants and non-ruminants. The practical aspects of feeding livestock will also be covered, including evaluating nutrient needs of livestock, feedstuff evaluation, economics, and ration balancing. This class may include field trips.
Transferability: Transferable to CSU
Grading Type: Letter

ANSC 91 Rangeland Management in a Changing Climate (3 Units)
In this course, students will learn basic principles of range management as they apply to various regions and vegetative types on California rangelands. This course examines the relationship of range management practices to livestock production, wildlife management, forestry, hydrology, and other land uses. Multiple field trips are required. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ANSC 134 Livestock Reproduction (3 Units)
In this introductory course, students will explore basic genetic principles combined with the study of the anatomical and physiological aspects of reproduction as it relates to equine and livestock management. Students will also learn reproductive aspects including endocrinology, estrous cycles, mating behaviors, gametogenesis, conception, gestation, parturition, and maternal behaviors. Artificial insemination, embryo manipulation, and current innovations in productive biotechnology will also be examined. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

ANSC 153 Sustainable Agriculture Production Systems with Animals (3 Units)
In this course, students will explore the integration of livestock as part of a sustainable farming system with emphasis on small-scale production for niche markets and pasture-based-systems. Students will learn appropriate breed selection, nutrition and living requirements for livestock such as goats, hogs, sheep, poultry and cattle. Current applications of sustainable animal agriculture including the challenges of animal production, animal needs, animal welfare, and protection of the environment and resources for future food supply systems will also be covered in this course. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter, Pass/No-Pass

ANSC 171 Livestock Behavior and Humane Management (1 Units)
In this course, students will be introduced to livestock behavior and the evolution of behavioral traits. This course emphasizes practical handling concepts and facilities design to promote low-stress methods of livestock management. Students will also explore the benefits of keeping animals calm; including safer working conditions, higher yields of marketable product, a better-quality product, and more humane conditions. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

ANSC 173 Range Plants of Sonoma County (2 Units)
Students will explore plants on managed lands in Sonoma County that are important to grassland and shrubland management. This course will include identification, taxonomy, distribution, forage value, and ecological relationships of primarily grasses and forbs and a limited overview of ecologically important trees and shrubs. Field trips are a required part of this course. Rec Prep: Eligibility for ENGL C1000 or EMLS 10.
Grading Type: Letter, Pass/No-Pass

Anthropology (ANTH)

ANTH 1 Biological Anthropology (3 Units)
In this introductory, broad survey course, students will study human evolution and humans as organisms, with an emphasis on a bio-cultural approach. The course will cover the history and modern synthesis of evolutionary theory; study primate behavior and comparative anatomy; examine dating techniques and the fossil record; and critically assess past and future human/environmental relationships including issues concerning future adaptation.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B

ANTH 1L Biological Anthropology Lab (1 Units)
This is an introductory laboratory course where students use scientific methodology to explore and experiment with topics from Introduction to Biological Anthropology (ANTHRO 1) lectures. Students will examine the scientific method, evolutionary theory, cell biology, genetics, human osteology, primate anatomy and social behavior, and the human fossil record. Additional topics may include human biological variation, medical anthropology, forensic anthropology, environmental challenges to hominins, and human impact on the environment.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5C

ANTH 2 Cultural Anthropology (3 Units)
An exploration of human cultural diversity and interrelationships on a global scale. In this introductory, broad survey course, students will compare and analyze traditions such as kinship, religion, magic, political systems, economic systems, language, forms of social stratification and identity, gender roles and stereotypes, and human relationship to nature through the lens of anthropological research past and present. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 3 Introduction to Archaeology (3 Units)
Introduction to archaeology as the scientific study of the human past through analyses of material remains. The course reviews archaeological methods of survey, excavation, laboratory analysis, interpretation and publication; the history of archaeological theory; the development and implementation of Cultural Resource Management (CRM); and ethical principles guiding modern archaeological practice. Selected cultural sequences are integrated into the course to highlight the ways in which archaeological practice has contributed to our knowledge of the past. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 4 Ancient Peoples and Society (3 Units)
Introduction to essential topics in world ancient history using cross-cultural, comparative examples from the archaeological record. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 5 The Anthropology of Language, Communication, and Culture (3 Units)
Language is fundamental to our human lives. Creating meals, providing shelter, expressing humor and love, provoking fights and forging agreements, people communicate how they perceive and navigate the world. Students in this course use an anthropological perspective to study how the power of culture fashions language between and among the smallest communities to the largest societies. We delve into the structure of language, including the bio-cultural basis of how sounds are made and produced, and we study the unique culture histories of our global language families. We explore how language changes over time by means of cultural acts and social mingling. Importantly, we study issues of language loss and conservation. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 19 Forensic Anthropology (3 Units)
Students in this class will be introduced to the field of forensic anthropology and the role that forensic anthropologists play in crime scene investigation. Throughout the course, students will master the techniques used to assess age, sex, trauma, pathology, and cause of death from the human skeleton within a medico-legal context. Rec Prep: Eligibility for ENGL 1A or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B

ANTH 21 American Folklore and Folklife (3 Units)
Students in this course will study a range of the forms and functions of American oral traditions and folklife customs. We will analyze myths, legends, proverbs, humor, life cycle events, folk architecture, foodways and other folklore/life traditions in American communities and neighborhood settings. Cultural comparisons will include no less than three of the following groups: African American, Asian American, Chicano/Latino American, European American, Indigenous Peoples of the Americas, and Americans of Middle Eastern Origin. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 30 Anthropology of Globalization (3 Units)
An examination of anthropological perspectives and methods used to understand the phenomenon known as globalization. Students briefly study the historical processes of colonization including European and how they relate to the contemporary dynamics of globalization. Students then explore how the processes of globalization influence cultural dynamics in areas such as economy, technology, politics, social dynamics, religion, and language in different societies around the world. Rec Prep: Eligibility for ENGL 1A or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 31 Mesoamerican Origins of Latino Culture (3 Units)
Various societies in Mesoamerica are known for their monumental architecture, ritualized sacrifice, astronomical calculations, complex calendars, writing systems, and vast trade networks. How did all of these cultural phenomenon develop over time? Why and when did the various societies collapse? What traditions remain intact? Which practices have been shared throughout the world? Students in this course will study the cultural evolution of this region beginning with the peopling of the land, to the emergence of village life and domestication of foods. We study the formation of dense urban societies that became centers of religious, economic and military powers, including those that were eventually encountered by Spanish invaders and reshaped to become the contemporary societies known today. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ANTH 32 Native Cultures of North America (3 Units)
In this course, students will engage in an ethnographic survey of the Native cultures of North America, including the Native responses to other Indigenous cultures and societies, European, and Euro-American. Emphasis will be on indigenous cultural adaptations from the 16th century to the present, although prehistoric lifeways will also be covered. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 34 Native Cultures of California (3 Units)
Students will examine ethnographic literature regarding Native cultures in California from the 16th century to the present time to gain an in-depth understanding of the diverse societies, communities and people of this region. Studies focus on their beliefs, practices and symbolic relationships within and between societies. This course also includes analysis of the Native cultural responses to the colonial influences of the Spanish, Russians, and other Euro-American people. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 42 Cannabis and Culture (3 Units)
In this course, students will examine cannabis use through time from an anthropological perspective. Topics include the archaeological and ethnobotanical evidence for cannabis use, symbolic and cultural meanings of cannabis, institutional ideologies, and ethnographic studies of cannabis-related behaviors. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ANTH 43 Native American Art and Culture (3 Units)
In this course, students will explore Native American societies, their worldviews, practices, and oral traditions as expressed in their art forms. Topics such as ceramics, basketry, textiles, woodcarving, leather works, monumental architecture, and others will be studied using cultural aspects of symbolism, ritual, gender, social structure, and landscape relationships. Emphasis on the transformation of traditional objects into world art market commodities is an additional aspect of study. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

ANTH 1001 (ANTH C1001) Biological Anthropology (3 Units)
In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific methods are foundations for the course. Additionally, this course critically assesses the impact that the intersection of human culture and the forces of evolutionary change have on human evolution.
Grading Type: Letter, Pass/No-Pass

Applied Technology (APTE)

APTE 43 Computer Modeling and Animation (3 Units)
In this course, students will learn the fundamentals of three-dimensional (3D) modeling and animation using software such as Autodesk 3ds Max, Autodesk Maya, or Blender. Topics include: polygon and spline modeling, materials and texturing, keyframe and constraint-based animating, lighting, and rendering. Basic introductions to dynamic simulations, particle systems, character rigging, and character animation are also included.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

APTE 45 Basic Drafting Skills (1.5 Units)
In this course, students will learn drawing-based manual drafting with a cursory introduction to Computer-Aided Drafting (CAD) for comparison. Topics include proper use of drafting tools, development of linework and lettering skills, procedures for geometric constructions, freehand drafting/sketching, orthographic projection, and isometric drawing.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

APTE 46 Introduction to Computer-Aided Drafting (2 Units)
In this course, students will be introduced to Computer-Aided Drafting (CAD) utilizing the software application AutoCAD. Areas covered include: program organization, program commands and tools, view navigation, drawing set-up, geometric construction/editing, orthographic projection, dimensioning and text annotations, printing/plotting, and an introduction to 3-dimensional (3D) drafting and design.
Prerequisites/Corequisites: Course Completion or Current Enrollment in APTE 45 OR INDE 50 OR HORT 93
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

APTE 57 Advanced AutoCAD (3 Units)
Computer-aided drafting using the AutoCAD software program. Areas covered include: advanced layout, construction and editing techniques, advanced dimensioning practices, three-dimensional (3D) modeling and rendering, software customization, project-oriented architectural, civil and mechanical engineering applications, and an introduction to computer animation with 3ds Max.
Prerequisites/Corequisites: Course Completion of APTE 46
Transferability: Transferable to CSU
Grading Type: Letter

APTE 59 Architectural CAD (2 Units)
In this course, students will learn about and create standard residential construction drawings typically required for a building permit including plans, sections, elevations, schedules, forms, and details using Autodesk AutoCAD. Students will also develop an understanding of the role of building codes and design criteria in the development of an Accessory Dwelling Unit (ADU).
Prerequisites/Corequisites: Course Completion of APTE 46
Transferability: Transferable to CSU
Grading Type: Letter

APTE 63 3D Animation: Modeling and Rigging (4 Units)
In this course, students will create digital characters and synthetic environments as used in film, broadcast, and video games. Using software such as Autodesk 3ds Max, students will design and build increasingly complex three-dimensional (3D) sets, props, and characters. They will also craft control systems for effectively animating these digital components. Efficient workflow and the creation of animator-friendly rigs will be emphasized, and complementary software will be used for texturing and refining of models.
Prerequisites/Corequisites: Course Completion of APTE 43 (formerly APTECH 53)
Transferability: Transferable to CSU
Grading Type: Letter

APTE 64 3D Animation: Character Animation (4 Units)
Students will learn to animate digital characters using three-dimensional (3D) animation software. Through both pantomine and facial lip-sync animation, students will apply the fundamental mechanics of motion to create believable movements and expressive performances.
Prerequisites/Corequisites: Course Completion of APTE 43
Transferability: Transferable to CSU
Grading Type: Letter

APTE 70 Intermediate 3D Modeling and Animation (RVPA) (3 Units)
Students learn advanced techniques in modeling and animation using three-dimensional (3D) animation software. The topics include advanced modeling tools; texture mapping; topology and facial expressions; lighting and reflection effects; function curves; particle systems; camera effects; scene direction; sound; basic video editing; rigging and skinning; and animating using inverse kinematics. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter

APTE 71 Intermediate 3D Rigging (RVPA) (3 Units)
Students learn to effectively use animation controls for three-dimensional (3D) models and characters: Use of set-driven keys, deformers, constraints, and kinematic controls, including the exporting of rigged characters and objects to a game/simulation platform. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter

APTE 72 Intermediate Textures for 3D (RVPA) (3 Units)
Students learn industry techniques to enhance 3D objects, environments, and characters using three-dimensional (3D) sculpting and painting tools. Topics include texture painting; manipulating digital images; texture mapping; lighting techniques; camera controls; applying principles of art and design to 3D imagery; and rendering images for creative industries such as video games, cinema, animations, augmented reality (AR), and/or print. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter

APTE 73 Intermediate Digital Sculpting (RVPA) (3 Units)
This course introduces students to digital sculpting and its integration with traditional modeling workflows for production. Students learn how to create ultra-realistic, lifelike three-dimensional (3D) models with a high level of detail utilizing industry-standard software applications. Demonstrations, exercises, and in-depth assignments help students develop sculpting, sculpting physics, composition, anatomy, and texture-painting skills. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter

APTE 74 Performance Animation (RVPA) (3 Units)
Students will learn the fundamentals of performance animation by utilizing acting techniques with application to: character animation, scene construction, storytelling. They will also investigate the exploration of motivation in creating movement and gesture and how this relates to believable characterization for animation. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter

APTE 75 3D Layout and Lighting (RVPA) (3 Units)
Students will learn dynamic composition and visual development by building backgrounds and environments and using camera angles and perspective to stage effective layouts; they will also apply storytelling elements, research, lighting, color theory, and basic design principles to created work. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter

APTE 162 3D Animation: Visual Effects and Compositing (3 Units)
In this course students will explore a range of tools and procedures used in the visual effects (VFX) industry, including dynamic simulations, particle systems, and the integration of computer-generated and live-action imagery.
Prerequisites/Corequisites: Course Completion of APTE 43
Grading Type: Letter

APTE 168 3D Animation: Introduction to Virtual Reality (2 Units)
In this course students will create Virtual Reality (VR) environments in the computer, and interact with these environments using head-mounted displays and hand controllers. Students will develop models and animations in applications like Autodesk 3ds Max, and Blender, and combine them with assets available online. Students will also learn basic map-creation techniques in image-editing software like Adobe Photoshop, and use game engines such as Epic Games Unreal Engine or Unity Technologies Unity to create immersive, interactive VR experiences.
Prerequisites/Corequisites: Course Completion of APTE 43
Grading Type: Letter

APTE 191 Problem Solving in Civil Engineering Technology (3 Units)
Approaches to problem solving in Civil Engineering Technologies including quantitative reasoning coupled with direct applications to problems encountered in land surveying, civil engineering, Geographic Information Systems (GIS), construction, and related engineering technologies. Rec Prep: Course Completion of MATH 150 OR Standard first year high school algebra course with \"C\" or better.
Grading Type: Letter

APTE 743 Computer Modeling and Animation
In this non-credit course, students will learn the fundamentals of three-dimensional (3D) modeling and animation using software such as Autodesk 3ds Max, Autodesk Maya, or Blender. Topics include: polygon and spline modeling, materials and texturing, keyframe and constraint-based animating, lighting, and rendering. Basic introductions to dynamic simulations, particle systems, character rigging, and character animation are also included.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

APTE 762 3D Animation: Visual Effects and Compositing
In this non-credit course, students will create digital characters and synthetic environments as used in film, broadcast, and video games. Using software such as Autodesk 3ds Max or Autodesk Mudbox, students will design and build increasingly complex three-dimensional (3D) sets, props, and characters. They will also craft control systems for effectively animating these digital components. Efficient workflow and the creation of animator-friendly rigs will be emphasized, and complementary software will be used for texturing and refining of models.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

APTE 763 In this non-credit course, students will create digital characters and synthetic environments as use
In this non-credit course, students will create digital characters and synthetic environments as used in film, broadcast, and video games. Using software such as Audodesk 3ds Max or Autodesk Mudbox, students will design and build increasingly complex three-dimensional (3D) sets, props, and characters. They will also craft control systems for effectively animating these digital components. Efficient workflow and the creation of animator-friendly rigs will be emphasized, and complementary software will be used for texturing and refining of models.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

Apprenticeship Education (APED)

APED 221.1 Electrician Apprentice Residential Wiring, 1st Semester (3.5 Units)
Introductory course for training related to residential wiring for electrician indentured apprentices. This is the first semester of a six semester program. Limits on Enrollment: Admission into the indentured electrician apprentice program.
Grading Type: Letter

APED 221.2 Electrician Apprentice Residential Wiring, 2nd Semester (3.5 Units)
This course continues the training for residential wiring for electrician indentured apprentices. This is the second semester of a six semester program.
Prerequisites/Corequisites: Course Completion of APED 221.1 (or APED 270)
Grading Type: Letter

APED 221.3 Electrician Apprentice Residential Wiring, 3rd Semester (3.5 Units)
This course continues the instruction for residential wiring for electrician indentured apprentices. This is the third semester of a six semester program.
Prerequisites/Corequisites: Course Completion of APED 221.2 (or APED 271)
Grading Type: Letter

APED 221.4 Electrician Apprentice Residential Wiring, 4th Semester (3.5 Units)
This course continues the instruction for residential wiring for electrician indentured apprentices. This is the fourth semester of a six semester program.
Prerequisites/Corequisites: Course Completion of APED 221.3 (or APED 272)
Grading Type: Letter

APED 221.5 Electrician Apprentice Residential Wiring, 5th Semester (3.5 Units)
This course continues the instruction for residential wiring for electrician indentured apprentices. This is the fifth semester of a six semester program.
Prerequisites/Corequisites: Course Completion of APED 221.4 (or APED 273)
Grading Type: Letter

APED 221.6 Electrician Apprentice Residential Wiring, 6th Semester (3.5 Units)
This course continues the instruction for residential wiring for electrician indentured apprentices. This is the sixth semester of a six semester program. Limits on Enrollment: Admission into the indentured electrician apprentice program.
Prerequisites/Corequisites: Course Completion of APED 221.5 (or APED 274)
Grading Type: Letter

APED 222.1 Apprentice Electricians, First Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the first semester of a ten-semester program. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 222.2 Apprentice Electricians, Second Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the second semester of a ten-semester program. Rec Prep: Course Completion of APED 220.1. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 222.3 Apprentice Electricians, Third Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the third semester of a ten-semester program. Rec Prep: Course Completion of APED 220.2. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 222.4 Apprentice Electricians, Fourth Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the fourth semester of a ten-semester program. Rec Prep: Course Completion of APED 220.3. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 222.5 Apprentice Electricians, Fifth Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the fifth semester of a ten-semester program. Rec Prep: Course Completion of APED 220.4. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 222.6 Apprentice Electricians, Sixth Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the sixth semester of a ten-semester program. Rec Prep: Course Completion of APED 220.5. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 222.7 Apprentice Electricians, Seventh Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the seventh semester of a ten-semester program. Rec Prep: Course Completion of APED 220.6. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 222.8 Apprentice Electricians, Eighth Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the eighth semester of a ten-semester program. Rec Prep: Course Completion of APED 220.7. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 222.9 Apprentice Electricians, Ninth Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the ninth semester of a ten-semester program. Rec Prep: Course Completion of APED 220.8. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 223.1 Apprentice Electricians, Tenth Semester (4 Units)
Students will be introduced to training related to electrician indentured apprenticeship. This is the tenth semester of a ten-semester program. Rec Prep: Course Completion of APED 220.9. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 223.2 California Advanced Lighting Controls Training Program (0.5 Units)
This course provides students a step-by-step approach to understand, apply and install commercial lighting control systems. Students will learn lighting terminology, lighting control strategies, Light Emitting Diode (LED) light sources and drivers, line and low voltage controls, dimming systems, occupancy sensors, photosensors, networked lighting control systems, common codes and standards, and associated installation/ wiring requirements. This course is for students who have completed the 5th year Electrical Apprenticeship program or California State Certified general electricians or electrical contractors. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 321 Apprentice Electricians Mathematics Review (1 Units)
An entry-level guided study for Electrician Apprentices of topics ranging from basic arithmetic through prealgebra using a diagnostic and learning software program, such as ALEKS online Learning Management System, to allow students to progress from their initial levels of competency. Students will build mathematical skills in specific areas to prepare for desired apprenticeship requirements and courses. Students may work at home or at the Electricians Apprenticeship Training Center. Limits on Enrollment: Indentured apprentice - apply and be accepted by the Redwood Empire Joint Apprenticeship & Training Committee (REJATC)
Grading Type: Letter

APED 345 Apprentice Plumbers, First Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the first semester of a ten-semester program. Limits on Enrollment: Indentured apprenticeship
Grading Type: Letter

APED 346 Apprentice Plumbers, Second Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the second semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 347 Apprentice Plumbers, Third Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the third semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 348 Apprentice Plumbers, Fourth Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the fourth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 349 Apprentice Plumbers, Fifth Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the fifth semester of a ten-semester program. Limits on Enrollment: Indentured apprenticeship
Grading Type: Letter

APED 353.1 Apprentice Roofers, Module 1 (0.5 Units)
Related supplemental instruction for apprentice roofers (module 1 of 10). Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 353.2 Apprentice Roofers, Module 2 (0.5 Units)
Related supplemental instruction for apprentice roofers, module 2 of 10. Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 353.3 First Aid for Roofers, Module 3 (0.25 Units)
This course teaches CPR and First Aid emergency response skills which enable participants to give immediate care to a person who has been injured or is experiencing a sudden illness. This course satisfies first-time and renewal certifications. Students must be admitted to the Indentured roofer apprentice program, to register for this class. Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 353.4 Apprentice Roofers, Module 4 (0.5 Units)
Related supplemental instruction for apprentice roofers (module 4 of 10). Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 353.5 Apprentice Roofers, Module 5 (0.5 Units)
Related supplemental instruction for apprentice roofers (module 5 of 10). Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 353.6 Apprentice Roofers, Module 6 (0.5 Units)
Related supplemental instruction for apprentice roofers (module 6 of 10). Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 353.7 Apprentice Roofers, Module 7 (0.5 Units)
Related supplemental instruction for apprentice roofers (module 7 of 10). Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 353.8 Maintenance, Repair and Roofing, Module 8 (0.5 Units)
This course is for indentured roofer apprentices. The course covers related topics and skills for apprentice roofing workers in their first, second, and third year of the apprenticeship program. (Grade or P/NP) Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 353.9 Apprentice Roofers, Module 9 (0.5 Units)
Related supplemental instruction for apprentice roofers (module 9 of 10). Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 354.1 Apprentice Roofers, Module 10 (0.5 Units)
Related supplemental instruction for apprentice roofers (module 10 of 10). Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.\ Applicants shall be at least 18-years of age at the time of indenture.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter

APED 355 Apprentice Plumbers, Sixth Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the sixth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 356 Apprentice Plumbers, Seventh Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the seventh semester of a ten-semester program. Limits on Enrollment: Indentured apprenticeship
Grading Type: Letter

APED 357 Apprentice Plumbers, Eighth Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the eighth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 358 Apprentice Plumbers, Ninth Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the ninth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 359 Apprentice Plumbers, Tenth Semester (2 Units)
Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the tenth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 360 Apprentice Plumbers, HVAC/Refrigeration, First Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the first semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 361 Apprentice Plumbers, HVAC/Refrigeration, Second Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the second semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 362 Apprentice Plumbers, HVAC/Refrigeration, Third Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the third semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 363 Apprentice Plumbers, HVAC/Refrigeration, Fourth Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the fourth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 364 Apprentice Plumbers, HVAC/Refrigeration, Fifth Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the fifth semester of a ten-semester program.
Grading Type: Letter

APED 365 Apprentice Plumbers, HVAC/Refrigeration, Sixth Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the sixth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 366 Apprentice Plumbers, HVAC/Refrigeration, Seventh Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the seventh semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 367 Apprentice Plumbers, HVAC/Refrigeration, Eighth Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the eighth semester of a ten-semester program. Limits on Enrollment: Indentured apprenticeship
Grading Type: Letter

APED 368 Apprentice Plumbers, HVAC/Refrigeration, Ninth Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the ninth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

APED 369 Apprentice Plumbers, HVAC/Refrigeration, Tenth Semester (4 Units)
Students will be introduced to training related to heating, ventilation, air conditioning (HVAC), and refrigeration for apprentice plumbers and pipefitters. This is the tenth semester of a ten-semester program. Limits on Enrollment: Indentured apprentice
Grading Type: Letter

Architecture (ARCH)

ARCH 2.1 History of World Architecture: Prehistory to Gothic (3 Units)
In this course, students will study the development of architecture, settlements, and city planning from prehistory up to the Gothic period from diverse locations around the world. The study will also include discussions of social, cultural, and physical conditions that influenced the development of architecture. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ARCH 2.2 History of World Architecture: Gothic to 20th Century (3 Units)
In this course, students will study the development of architecture and city planning from the Gothic period to the 20th century from diverse locations around the world. The study will also include discussions of social, cultural, and physical conditions that influenced the development of architecture. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ARCH 2.3 History of World Architecture: 20th Century to Contemporary (3 Units)
In this course, students will study the development of architecture and city planning from the 20th century to the present from diverse locations around the world. The study will also include discussions of social, cultural, and physical conditions that influenced the development of architecture. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ARCH 10 Visual Communication in Architecture (3 Units)
Grading Type: Letter, Pass/No-Pass

ARCH 12 Introduction to Environmental Design (3 Units)
Exploration of the work done in the design professions: architecture, landscape, and planning. Using case studies and environmental exploration, students will begin the process of articulating a personal design vocabulary. This is a project-based course. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

ARCH 25A Architecture Design Studio 1 (4 Units)
Students will learn fundamental concepts used in architectural design to create shapes, forms, and objects as solutions to design goals. The course emphasis will focus on the explorative creation of two-dimensional and three-dimensional projects to analyze and explain design theory principles.
Prerequisites/Corequisites: Course Completion of ARCH 10 (or ARCH 52)
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

ARCH 25B Architectural Design Studio 2 (4 Units)
Students will create and define architectural space through the use of design elements and properties such as form, order, scale, color, and volumes. This project-based course will also explore principles used in site analysis, navigation, circulation, and wayfinding.
Prerequisites/Corequisites: Course Completion of ARCH 25A (or ARCH 61A or 50A) and ARCH 26A (or ARCH 52A or 62A)
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

ARCH 26A Digital Models and Graphics 1 (3 Units)
Students will learn and utilize the computer modeling application, Rhinoceros 3D, for the creation of digital models and two-dimensional (2D) graphics generated from those models. Emphasis will be on the creation of three-dimensional (3D) forms and surfaces through the manipulation of 2D shapes, platonic primitives, and Boolean interaction of forms. Graphical images derived from student-created models will include orthographic views, parallel and perspective views, and images rendered with materials and lighting. Rec Prep: Eligibility for ENGL 100 or EMLS 100 (formerly ESL 100).
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

ARCH 26B Digital Models and Graphics 2 (3 Units)
Students will continue to learn and utilize the computer modeling application, Rhinoceros 3D, for the creation of complex digital models and two-dimensional (2D) and three-dimensional (3D) graphics generated from those models. Emphasis will be on the creation of complex 3D architectural form and surfaces through the manipulation of 2D shapes, platonic primitives, extrusions, sweeps, revolves, transformations, boolean interaction of forms, and the use of Grasshopper. Graphical images derived from student-created models will include orthographic views, parallel and perspective views, and images rendered with materials, lighting, and entourage. The use of the computer application Twinmotion will introduce students into game-engine rendering and Virtual Reality (VR) for visual immersion into digital models.
Prerequisites/Corequisites: Course Completion of ARCH 26A (or ARCH 52A or ARCH 62A)
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

ARCH 60 Digital Presentation Graphics (2 Units)
In this course, students will utilize image editing and page layout digital tools, such as Adobe Photoshop and Adobe InDesign, to create digital presentation boards as typically used for architecture, interior design, and landscape architecture project presentations. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) and Course Completion of CS 5.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ARCH 65 3D Modeling with Revit (2 Units)
In this course, students will learn to use the Building Information Modeling (BIM) application Autodesk Revit for three-dimensional (3D) modeling of buildings or structures as typical for architecture, interior design, and/or landscape design projects. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) and completion of CS 5.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Art (ART)

ART 2.3 History of Modern Art in Europe and North America (3 Units)
This course introduces students to modern art in Europe and North America from the 1860s to 1960s. Lectures, discussions and course materials explore key themes, movements and artists that transformed visual culture during the modern period. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ARTH 120, C-ID ARTH 150
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

ART 3 Introduction to Art and Design (3 Units)
In this course, students will be introduced to the fundamentals of art and design using shape, value, texture, line, pattern, color and space through exercises in drawing, painting, and collage. The course is accepted for transfer at both the UC and CSU systems.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ARTS 100
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

ART 4 Principles of Color (3 Units)
In this course, students will explore the theory and application of color in two dimensional, visual art. Through lectures, extensive hands-on color mixing exercises, studio projects, and critiques, students will develop both technical skills and an understanding of traditional and modern approaches to color, color relationships, optical perceptions of color, and its expressive possibilities. Rec Prep: Course Completion of ENGL C1000 (or ENGL 1A) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ARTS 270
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

ART 5 Three Dimensional Design (3 Units)
In this course, students will explore the theories and applications of three-dimensional art and design. Students will create studio projects utilizing various tools, techniques, and materials, such as wire, paper, cardboard, clay, and wood, as determined by the instructor. Concepts will be introduced and clarified through lectures and demonstrations. This foundational course is essential for many art majors and may include field trips.
Grading Type: Letter, Pass/No-Pass

ART 7A Drawing and Composition 1 (3 Units)
A basic course in drawing and composition to develop a student's ability to perceive and define shape, mass, contour, volume, space, and light, using a variety of graphic media and subject matter.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ARTS 110
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

ART 7B Drawing and Composition 2 (3 Units)
In this course, students will pursue in greater depth those aspects of drawing offered in ART 7A; students will be introduced to additional concepts and a greater variety and combination of media and tools. Student work may involve concentration on a theme, subject or problem. Work sessions may be scheduled in specific areas of campus.
Prerequisites/Corequisites: Course Completion of ART 7A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 12 Beginning Figure Drawing (3 Units)
Drawing the human figure employing the basic concepts and skills covered in Art 7A, such as shape, volume, plane, contour, space, light, movement, composition, and expression, using a variety of graphic tools and media. Rec Prep: Course Completion of ART 7A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 13 Watercolor (3 Units)
In this painting course, students will use watercolor to explore light, color, form, and composition as drawn from still life, landscape, the human figure, and non-objective subject matter. Cross-cultural and international explorations of watercolor will also be explored. Rec Prep: Course Completion of ART 3 or ART 4 or ART 7A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 14A Beginning Painting (3 Units)
Students in this course will be introduced to the various problems and potentials of painting. As an introductory course the student will learn painting with acrylics or oils using basic elements and dynamics of art, such as value, color, texture, dimensional space, and compositional factors. Rec Prep: Course Completion of ART 7A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 14B Intermediate Painting (3 Units)
Students will continue with basic pictorial problems and challenges begun in Art 14A, Beginning Painting, introducing more complex subject matter, concepts, and processes. Rec Prep: Course Completion of ART 7A OR ART 3.
Prerequisites/Corequisites: Course Completion of ART 14A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 14C Advanced Painting (3 Units)
Students will continue with the concerns developed in Art 14B, Intermediate Painting, involving more initiative, individual expression and experimentation with media, methods, and materials. Rec Prep: Course Completion of ART 7A OR ART 3.
Prerequisites/Corequisites: Course Completion of ART 14B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 19 Beginning Black and White Photography--Darkroom (3 Units)
This beginning black and white photography course introduces students to 35mm film cameras, film processing, materials, and darkroom printing techniques.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 21 Intermediate Photography (3 Units)
In this course students will learn intermediate-level photography for film and/or digital practices, and further develop comprehension of application of photographic concepts, theories, and material.
Prerequisites/Corequisites: Course Completion of ART 19 (or ART 36) OR Course Completion of ART 82
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 22 Advanced Photography (3 Units)
In this advanced level course in photography, students will focus on creative and professional practices, and they will create a portfolio with a strong personal vision.
Prerequisites/Corequisites: Course Completion of ART 21
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 23 Contemporary Practice of Color Photography (3 Units)
Students are introduced to digital photographic color theory and applied practice of color photographic image production. The course addresses digital camera function, editing software, and color printing technologies. Students must have a digital camera with manual controls in order to complete coursework. Rec Prep: Course Completion of ART 4 or ART 60.
Prerequisites/Corequisites: Course Completion of ART 19 OR ART 82
Transferability: Transferable to UC
Grading Type: Letter

ART 24 Introduction to the Art of Printmaking (3 Units)
Students will receive a basic introduction to printmaking covering traditional techniques including woodcut, linoleum cut, etching, collagraph, monotype, embossing, and stencil. Rec Prep: Course Completion of ART 3 and ART 7A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 26 Introduction to Relief Printmaking (3 Units)
Studio course introducing relief printmaking as a fine art medium. Course includes demonstrations and assignments such as linocut, woodcut, multiblock and color reduction methods. Rec Prep: Course Completion or Concurrent Enrollment in ART 3 OR ART 4 OR ART 7A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 27A Beginning Screen Printing (3 Units)
In this course, students will be introduced to color screen printing as a fine art print medium. This course will involve demonstrations and assignments using stencil, block out, and photostencil methods. Rec Prep: Course completion of ART 3, ART 4, or ART 7A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 27B Intermediate Screen Printing (3 Units)
Students will continue to explore the screen printing process as a fine art medium with an increased emphasis on individual projects at a more advanced level of sophistication.
Prerequisites/Corequisites: Course Completion of ART 27A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 28A Beginning Etching (3 Units)
Students will be introduced to the use of the etching process as a means of artistic expression. Students will learn how to etch, ink, and wipe a plate to produce multiple like-images through a series of structured projects. Presentation of the fine print, including care of prints, numbering of editions, and matting techniques. Rec Prep: Course Completion of ART 7A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 28B Intermediate Etching (3 Units)
Students will engage in etching at the intermediate level with the addition of more advanced techniques for processing and printing plates. Mixing and wiping of colored inks will accompany integrating advanced etching techniques to yield more personalized imagery. Rec Prep: Course Completion of ART 7A
Prerequisites/Corequisites: Course Completion of ART 28A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 28C Advanced Etching (3 Units)
Students will build on the fundamentals of intaglio printmaking techniques and processes with more advanced printmaking skills. Rec Prep: Course Completion of ART 7A
Prerequisites/Corequisites: Course Completion of ART 28B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 31A Beginning Ceramics (3 Units)
In this introductory course, students will develop wheel, hand-building, glaze application, and decoration techniques.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 31B Intermediate Ceramics (3 Units)
In this continuation of Art 31A, students will be introduced to a greater variety of ceramic processes, subject matter, and concepts; and will engage in experiments in glaze making.
Prerequisites/Corequisites: Course Completion of ART 31A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 31C Advanced Ceramics 1 (3 Units)
Students will be introduced to more advanced problem solving, individual expression, and experimentation with glaze decoration.
Prerequisites/Corequisites: Course Completion of ART 31B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 31D Advanced Ceramics II (3 Units)
In this course, the student will focuses on individual expression and the preparation of a portfolio.
Prerequisites/Corequisites: Course Completion of ART 31C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 33A Beginning Sculpture (3 Units)
An introductory course in sculpture where students will focus on basic form construction techniques using clay, plaster, wood, sheet metal, and found objects. Rec Prep: Course Completion of ART 3 or ART 5.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 33B Intermediate Sculpture (3 Units)
Continuation of ART 33A, this course introduces students to a greater variety of concepts and processes for building large-scale sculptures. Experimentation in a variety of methods and materials for full-scale figurative and non-figurative sculpture.
Prerequisites/Corequisites: Course Completion of ART 33A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 34A Ceramic Sculpture (3 Units)
In this course students will be introduced to ceramic sculpture to develop hand-building, glaze, and engobe/underglaze decoration technique.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 34B Advanced Ceramic Sculpture (3 Units)
In this continuation of Art 34 A course, students will be introduced to a greater variety of ceramic sculpture processes, subject matter, and concepts. Students will experiment with glaze mixing and life-size sculpture.
Prerequisites/Corequisites: Course Completion of ART 34A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ART 35A Beginning Hand Building Ceramics (3 Units)
An introductory course in hand-built ceramics, glaze, and engobe/underglaze decoration technique.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Pass/No-Pass

ART 35B Advanced Hand Building Ceramics (3 Units)
An advanced course in hand-built ceramics, glaze, and engobe/underglaze decoration technique.
Prerequisites/Corequisites: Course Completion of ART 35A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Pass/No-Pass

ART 39 Visual Theory and Practice-Ceramic Arts (3 Units)
This introductory course will expose students to a broad spectrum of historical and contemporary ceramic art from diverse cultures. Students will produce original works of ceramic art by reinterpreting these traditions.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Pass/No-Pass
GE: AA/AS Area 3

ART 49 Independent Study in Art (1-3 Units)
In this course, students will engage in an advanced and focused study of art or art history, tailored to their individual interests and circumstances, or in areas not addressed by other courses within the curriculum. This course comprises seminars or individual conferences arranged to facilitate independent study and to provide an enhanced academic experience. Participants will collaborate with a faculty supervisor who has agreed to oversee their project. Please note that credit is determined by the University of California (UC) after transfer and does not count towards admission. Enrollment is contingent upon the approval of the project proposal by the supervising faculty member, the Department Chair, and the Supervising Administrator. Limits on Enrollment: Approval of the project proposal by supervising faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

ART 53 Exhibition Design and Management (1 Units)
Studio class in preparing artwork for gallery exhibition includes: receiving, shipping, conservation, matting, documentation, lighting and installing. This class would be of interest to those students who wish to work in a gallery setting or prepare their artwork for exhibition. Rec Prep: Completion of ART 3, ART 5, or ART 7A.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ART 60 Studio Photography (3 Units)
In this course, students will learn and apply professional studio lighting techniques for portraiture and commercial products.
Transferability: Transferable to CSU
Grading Type: Letter

ART 61 Exhibition Design and Management (3 Units)
In this studio class, students will focus on the fundamentals of exhibition design and management by exploring the process of curating and implementing exhibitions. This includes preparing artwork for gallery exhibition and installation, promoting and marketing, learning ways to evaluate exhibitions and measure success, and developing exhibition concepts. This class will be of interest to students who wish to work in a gallery setting or prepare their own artwork for exhibition. Rec Prep: Completion of ART 3, ART 5, or ART 7A.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ART 69 Introduction to Cartooning and Sequential Art (3 Units)
Students in this course will be introduced to the basic concepts, techniques, and history of cartooning and sequential art. This course includes composition, sketching, character design, inking, coloring, lettering, and writing for sequential art, using a variety of tools and media. Rec Prep: Course Completion of ART 3 and ART 12.
Prerequisites/Corequisites: Course Completion of ART 7A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

ART 75 Advanced Sculpture (3 Units)
Advanced sculpture with emphasis on the student's personal work and portfolio creation.
Prerequisites/Corequisites: Course Completion of ART 33B
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ART 82 Beginning Digital Photography (3 Units)
A beginning class emphasizing comprehension and application of basic elements and concepts of digital photography. Topics include controlled use of the camera for optimum technical and aesthetic values. Students will develop an understanding of the creative process, visual literacy and photographic theory through lectures, assignments and class critiques. Students must have a digital camera with manual controls.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ART 83 Intermediate Digital Photography (3 Units)
Intermediate level digital photography course in image creation and processing and asset management for fine art and professional photography. Course utilizes industry standard software, such as Adobe Photoshop, Adobe Lightroom, and Capture One. Rec Prep: Course Completion of CS 70.1 (or CS 70.1A or CS 70.11A or CIS 73.21 or CIS 73.31)
Prerequisites/Corequisites: Course Completion of ART 82
Transferability: Transferable to CSU
Grading Type: Letter

ART 112A Intermediate Figure Drawing (3 Units)
Students will continue the basic pictorial problems and challenges begun in Art 12 (figure drawing), introducing more complex subject matter, concepts, and processes.
Prerequisites/Corequisites: Course Completion of ART 12
Grading Type: Letter, Pass/No-Pass

ART 112B Advanced Figure Drawing (3 Units)
Students will continue the concepts developed in Art 112A (Intermediate Figure Drawing) involving more initiative, individual expression, and experimentation with media, methods, and materials.
Prerequisites/Corequisites: Course Completion of ART 112A
Grading Type: Letter, Pass/No-Pass

Art History (ARTH)

ARTH 1.1 Introduction to Art of the Ancient World (3 Units)
This course introduces the fundamentals of the discipline of art history with a focus on how to view and appreciate art in an increasingly diverse world. A methodological introduction will be followed with a global survey of art from a variety of media from prehistoric times through the 16th century that highlights worldwide artistic trends and achievements. We will consider the historical, cultural, religious, and political contexts of a work of art as well as its production and reception. Archaeological and anthropological concepts will be discussed in relation to the works presented. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

ARTH 1.2 Global Art from 1500 CE to Present (3 Units)
This course introduces the fundamentals of the discipline of art history with a focus on how to view and appreciate art in an increasingly diverse world. A methodological introduction will be followed with a global survey of art from a variety of media from the 16th century through contemporary times that highlights world-wide artistic trends and achievements. We will consider the historical, cultural, religious, and political contexts of a work of art as well as its production and reception. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

ARTH 1.3 Introduction to Ancient Egyptian Art (3 Units)
This course examines ancient Egyptian art and architecture as a reflection of one of the oldest and best documented African civilizations. Students will study ancient Egyptian society using material culture that informs us about its art, history, religion, and language. Our survey will discuss funerary objects as well as objects from daily life, including sculpture, painting, ceramics, jewelry, and other visual art forms. Students will also survey architectural highlights, covering major monuments such as pyramids and temples as well as cities. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ARTH 1.4 Introduction to Mesoamerican and Andean Art (3 Units)
In this class, students will survey the art and architecture of Mesoamerican and Andean art from its nascency through the Spanish invasion. The materials presented will highlight themes in visual representation within Mesoamerican and Andean cultures. Additionally, we will focus on comparing and contrasting regional differences in artistic styles within the separate geographic areas studied. Special attention will be given to understanding the ways in which art and architecture solidify the belief systems and manifest the cosmic worldviews of the various cultures examined. Architecture, sculpture, painting, ceramics, basketry, textiles, metalwork, among other items will serve as the source materials. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ARTH 1.5 Ancient Art of the Mediterranean (3 Units)
This course will focus on early civilizations that emerged in and around the Mediterranean Sea from prehistoric times through the fall of the Roman empire. Art and architecture from prehistoric Europe, Mesopotamia, Egypt, the Aegean, Greece, Etruria, and Rome will be presented in relation to the broader historical contexts in an effort to understand the way in which art can inform us about the lives of ancient people. Students will examine the exchange of ideas between these cultures and consider the roles of tradition and innovation in the production of art. Common, unifying themes as well as unique artistic traditions will be explored. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility for EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

ARTH 1.6 European Art: Medieval and Renaissance (3 Units)
This survey introduces students to art and architecture of Europe from the 5th century through the 17th century CE, namely Medieval and Renaissance art. Students will explore how art and architecture reflect and impact religious, political, economic, and social histories. Taking an object-based approach, this course delves into the myriad ways that art can reveal nuances of cultural histories while developing skills of visual literacy. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility for EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

ARTH 1.7 Early Modern and Modern Art in Europe and North America (3 Units)
Students will be introduced to early modern and modern art in Europe and North America from the 17th to the 20th centuries. Students will explore key themes, movements and artists that transformed visual culture during these periods. Students will consider the purposes and meaning of painting, sculpture, and architecture in relation to artists, viewers, and historical events. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility for EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

ARTH 2.5 Women and Art Since 1500 (3 Units)
This course will provide a chronological, thematic, and cross-cultural examination of the contributions of women as producers, patrons, subjects, and audience of visual arts from the Renaissance to the 21st century. Special attention will be given to issues of sex, gender, race, socio-economic, national, and political identities. The course will highlight social perceptions and obstacles relevant to women in the visual arts and will apply feminist and revisionist critiques to traditional art historical methodologies. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter, Pass/No-Pass

ARTH 1100 (ANTH C1100) Survey of Art from Prehistory to the Medieval Era (3 Units)
This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ARTH 110
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

ARTH 1200 (ARTH C1200) Survey of Art from the Renaissance to Contemporary (3 Units)
This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region.
Transferability: Transferable to UC
C-ID: C-ID ARTH 120
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

Astronomy (ASTR)

ASTR 3 Stellar Astronomy (3 Units)
A description of the universe, concentrating on celestial bodies and phenomena beyond the Solar System. Topics will include: electromagnetic radiation, observed properties of stars, variable and binary stars, stellar evolution, black holes, relativity, the interstellar medium, star clusters, the Milky Way and other galaxies, cosmology, and the possibility of other life forms in the universe.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

ASTR 3L Stellar Astronomy Laboratory (1 Units)
In this course, students will perform analysis and reduction of basic astronomical data concerning stars, nebulae, and galaxies. Using collaborative activities, photos, spectra, and direct observations, the student will arrive at conclusions concerning fundamental properties of the universe. Topics will include electromagnetic radiation, observed properties of stars, variable and binary stars, stellar evolution, black holes, the interstellar medium, star clusters, the Milky Way and other galaxies, cosmology, and the possibility of other life forms in the universe.
Prerequisites/Corequisites: Course Completion or Current Enrollment in ASTR 3 (or ASTRON 3)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5C

ASTR 4 Astronomy of the Solar System (3 Units)
In this course, students will receive a descriptive introduction to the Solar System including the Sun, Moon, planets, asteroids, and comets. Topics will include lunar phases, eclipses, historical geocentric and heliocentric models of the cosmos, planetary geology, planetary atmospheres and climates, the formation of the Solar System, and extrasolar planetary systems. Rec Prep: Completion of MATH 150A or higher AND Completion of ENGL 100 OR EMLS 100 (formerly ESL 100).
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

ASTR 4L Solar System Astronomy Laboratory (1 Units)
In this course, students will analyze and interpret astronomical data. Using collaborative activities, photos, spectra, and direct observations, the student will arrive at conclusions concerning fundamental properties of the Solar System, comparative planetology, and planetary atmospheres.
Prerequisites/Corequisites: Course Completion or Current Enrollment in ASTR 4 (or ASTRON 4)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5C

ASTR 12 Astronomy Observational Lab (1 Units)
Observational laboratory in astronomy. Students will utilize small aperture telescopes, binoculars, star charts and planispheres. Constellation identification and terrestrial and celestial coordinate systems will be introduced. Short exposure and deep sky astrophotography will be conducted. In the case of inclement weather, students will utilize the planetarium, classroom, or computer lab to perform required labs. Rec Prep: Course Eligibility for MATH 150 or appropriate placement based on AB705 mandates.
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in ASTR 3 OR ASTR 4 OR ASTR 42
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5C

ASTR 42 Life in the Universe (3 Units)
This course offers an overview of life in the universe. The students will learn about the universal context of life from the Big Bang to present; the origin, nature, and evolution of life on Earth; habitable zones and the potential habitability of planets; the search for life within and beyond the Solar System; discovery, and nature of exoplanets (extra-solar planets); astronomical signatures and markers of life; and the possibility of interstellar travel and communication. Content will focus primarily on astronomy, but will also include concepts from biology, geology, chemistry, and physics. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

ASTR 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Athletics (ATHL)

ATHL 1 Intercollegiate Physical Fitness (1 Units)
Sports specific cardiovascular, muscular, and flexibility training designed to enhance athletic performance.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 2 Yoga for Intercollegiate Athletes (1.5 Units)
Students will learn yoga techniques related to sport performance, injury prevention, and mental skills. Students will use Hatha yoga asanas (postures) which will emphasize sport-specific flexibility, strength, balance, and coordination. Students will utilize yoga techniques for mind-body connection and centering, which will include breathing and relaxation methods.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ATHL 3 Off-Season Training for Intercollegiate Athletics (1 Units)
Students will learn sport specific techniques, strategies and training designed for off-season intercollegiate athletes.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

ATHL 8 Varsity Wrestling (3 Units)
This course includes practice and participation for intercollegiate wrestling, emphasizing wrestling skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 9 Women's Varsity Water Polo (3 Units)
Students will practice for and participate in intercollegiate water polo, emphasizing water polo skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 10 Men's Varsity Water Polo (3 Units)
Students will practice for and participate in intercollegiate water polo, emphasizing water polo skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 10L Water Polo Lab (1.5 Units)
Students will be introduced to the structure and development of various water polo strategies. Students will also analyze scouting reports and film reviews, as well as learn the practical application of various physical training concepts. Rec Prep: Concurrent Enrollment in ATHL 10 or ATHL 9. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 11 Men's Varsity Baseball (3 Units)
Students will practice for and participate in intercollegiate baseball competition, Students will develop offensive, defensive, pitching, and baserunning skills,
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 11L Baseball Laboratory (1.5 Units)
Introduction to the structure and development of various baseball strategies. This course will include analysis of scouting reports and film reviews as well as the practical application of various physical training concepts and techniques. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 13 Men's Varsity Basketball (1.5 Units)
Students will practice and participate in intercollegiate men's basketball, with an emphasis in basketball skills training, fundamentals and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 14 Women's Varsity Basketball (1.5 Units)
Students will practice and participation for intercollegiate competition in women's basketball, emphasizing basketball skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 15L Basketball Lab (1 Units)
Students will learn structure and development of various basketball strategies. This course will include analysis of scouting reports and film reviews as well as the practical application of various physical training concepts. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 17 Men's Varsity Cross Country (3 Units)
Students will practice and participate in intercollegiate competition in cross country running, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 17L Cross Country Lab (1.5 Units)
Introduction to the fundamental techniques and theories of cross country training. This course will cover individual and team strategies and techniques.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 18 Women's Varsity Cross Country (3 Units)
This course includes practice and participation for intercollegiate competition in cross country running, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 21 Varsity Football (3 Units)
Students will practice and participate in intercollegiate competition, emphasizing football skills, fundamentals, and strategies. Limits on Enrollment: By try out.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 22.1L Defensive Football Laboratory (1.5 Units)
Students will be Introduced to the structure and development of various defensive football strategies. This course will include analysis of scouting reports and film reviews; as well as the practical application of various physical training concepts.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 22.2L Offensive Football Laboratory (1.5 Units)
Introduction to the structure and development of various offensive football strategies; including analysis of scouting reports and film reviews and the practical application of various physical training concepts.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 27 Men's Varsity Soccer (3 Units)
Students will practice for and participate in intercollegiate competition in men's soccer, emphasizing soccer skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 28 Women's Varsity Soccer (3 Units)
Student will practice for and participate in intercollegiate competition in women's soccer, emphasizing soccer skills, fundamentals and strategies. Limits on Enrollment: By tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 29L Soccer Lab (1.5 Units)
Introduction to the structure and development of various soccer strategies. This course will include analysis of scouting reports and film reviews as well as the practical application of various physical training concepts.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 30 Theory and Analysis of Soccer (1.5 Units)
Students will learn about the organization and development of various tactical and technical systems in soccer. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 31 Women's Varsity Softball (3 Units)
Students will practice for and participate in intercollegiate softball, emphasizing softball skills, fundamentals, and strategies.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 31L Softball Lab (1.5 Units)
Students will be introduced to the structure and development of various softball strategies. Students will analyze scouting reports and film as well as demonstrate the practical application of various physical training concepts. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 32 Varsity Wrestling (1.5 Units)
Students will explore the explanation, organization, and development of various tactical and technical systems in wrestling, gaining a comprehensive understanding of strategies and techniques to enhance performance and skill mastery.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 32L Varsity Wrestling Lab (1.5 Units)
Students will be introduced to the structure and development of various wrestling strategies. The course includes analysis of scouting reports and film reviews, as well as the practical application of diverse physical training concepts to enhance performance and tactical understanding in wrestling. Rec Prep: Concurrent Enrollment in ATHL 8, Varsity Wrestling.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 33 Men's Varsity Swimming and Diving (3 Units)
Practice for and participation in intercollegiate swimming and diving; emphasizing swimming and diving skills, fundamentals and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 34 Women's Varsity Swimming and Diving (3 Units)
Practice for and participation in intercollegiate swimming and diving; emphasizing swimming and diving skills, fundamentals and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 37 Men's Varsity Tennis (3 Units)
This course includes practice and participation for intercollegiate competition, emphasizing tennis skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 38 Women's Varsity Tennis (3 Units)
This course includes practice and participation for intercollegiate tennis, emphasizing tennis skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 41 Men's Varsity Track and Field (3 Units)
Students will practice for and participate in intercollegiate competition in track and field, emphasizing track and field skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 41L Track & Field Lab (1.5 Units)
Introduction to the fundamental techniques and theories of track & field training. This course will cover individual as well as team strategies and techniques.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 42 Women's Varsity Track and Field (3 Units)
Students will practice for and participate in intercollegiate competition in track and field, emphasizing track and field skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 45 Women's Varsity Volleyball (3 Units)
This course includes practice and participation for intercollegiate volleyball, emphasizing volleyball skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 45L Volleyball Lab (1.5 Units)
Students will be introduced to the structure and development of various volleyball strategies. Students will analyze scouting reports and film reviews, as well as the practical application of various physical training concepts relating to scouting volleyball opponents.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

ATHL 46 Women's Varsity Beach Volleyball (3 Units)
In this course, students will practice for and participate in for intercollegiate beach volleyball, focusing on beach volleyball skills, fundamentals, and strategies. Limits on Enrollment: By Tryout
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

Behavioral Science (BEHS)

BEHS 49 Independent Study in Behavioral Sciences (1-3 Units)
Students enrolled in BEHSC 49 will participate in seminars or individual conferences by arrangement for independent study and enriched academic experience. UC determines credit AFTER transfer; not counted for admission. Enrollment is dependent upon approval of the project proposal by supervising faculty, Department Chair, and Supervising Administrator. Limits on Enrollment: Approval of the project proposal by supervising faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

Biology (BIO)

BIO 2.1 Fundamentals of Biology (Cell and Molecular) (5 Units)
Students will study the following topics: cell structure and function, origin, evolution and diversity of cells, biochemistry, metabolism, Mendelian and molecular genetics, cell regulation, cell differentiation, and evolutionary development. This course is intended for students majoring in biological sciences, pre-medical, or related pre-professional programs.
Prerequisites/Corequisites: Course Completion of CHEM 3A AND CHEM 3AL; OR CHEM 1A; OR CHEM 4A; AND Course Completion of BIO 10; AND ENGL C1000 OR EMLS 10 (formerly ESL 10)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

BIO 2.2 Fundamentals of Biology (Evolution, Genetics, and Zoology) (5 Units)
Students will be introduced to evolution, genetics, and the phylogeny of animals with emphasis on development, morphology, physiology, and behavior. Field trips taken. Intended for students majoring in biological sciences, pre-medical, or related pre-professional programs.
Prerequisites/Corequisites: Course Completion of BIO 2.1
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

BIO 2.3 Fundamentals of Biology (Botany and Ecology) (5 Units)
Students will study the principles of ecology and the phylogeny of bacteria, protists, fungi, and plants with emphasis on development, morphology, and physiology of higher plants. Field trips taken. Intended for students majoring in biological sciences, pre-medical, or related pre-professional programs.
Prerequisites/Corequisites: Course Completion of BIO 2.1
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

BIO 7 Introduction to STEM Careers (1 Units)
This course covers the methods for development of career pathways in fields such as science, technology, engineering, and mathematics (STEM). Students will learn to use STEM related job-search tools, identify key job skills, develop a plan for acquiring those skills, and use communication skills related to a particular career or area of research in which the student has an interest. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of AGRI 20 OR ANSC 20 OR ASTR 3 OR ASTR 4 OR BIO 10 OR CHEM 42 OR CS 10A OR ENGR 10 OR ENVS 12 OR GEOL 1 OR NRM 12 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH)
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

BIO 10 Introduction to Principles of Biology (4 Units)
Students will explore introductory topics in biology including: scientific literacy, ecology, biodiversity, physiology and anatomy, chemistry of life, cell and molecular biology, genetics, and evolution.
Prerequisites/Corequisites: Completion of intermediate algebra or higher or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

BIO 12 Basic Concepts of Ecology (3 Units)
Students will be introduced to basic ecological principles and their application to problems of renewable resources, resource management, conservation, and global environmental issues. Field trips may be required. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B

BIO 13 Human Biology (3 Units)
Survey course primarily for students not majoring in biological sciences, presenting topics from biology dealing specifically with humans. Topics include cellular biology, genetics, anatomy and physiology, reproduction, evolution, and human impacts on the environment. Not an anatomy and physiology course. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B

BIO 14 Current Issues in Biology (3 Units)
In this non-majors course students will be introduced to the core principles of biology through the study of current issues in modern biology. Topics include ecology, evolution, anatomy, physiology, genetics, and molecular and cell biology. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B

BIO 16 Introduction to Biology For Non-Majors (4 Units)
Students will be introduced to the core concepts of biology by studying current issues in modern biology with an emphasis on the scientific method and scientific literacy. Not intended for students majoring in biology.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

BIO 20 Human Genetics (3 Units)
Students will be introduced to the mechanisms of heredity with specific reference to humans. Course includes current genetic technologies and their ethical and societal consequences.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B

BIO 25 Marine Biology (4 Units)
Students will be introduced to biological oceanography, natural history, taxonomy, and ecology of major plant and animal groups of the world's oceans with emphasis on the Pacific Coast of North America. Examines human interactions with, and impacts upon, the marine environment.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

BIO 27 Biology of Marine Mammals (3 Units)
Students will be introduced to the biology, natural history, evolution, behavior, anatomy, physiology, and population ecology of marine mammals, including whales, dolphins, pinnipeds, otters, manatees, and dugongs.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B

BIO 31 Tropical Biodiversity and Conservation (2 Units)
In this course, students will explore the ecology, evolution, flora, and fauna of tropical rainforests, cloud forests, and dry forests. Typically taught abroad. Countries such as Costa Rica are used to illustrate both the current biodiversity crisis and conservation efforts. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B

BIO 49 Independent Study in Biology (1-3 Units)
Students will carry out independent study in a biological discipline by literature, field, and/or laboratory research. UC determines credit after transfer; not counted for admission. Enrollment is contingent upon the approval of the project proposal by the supervising faculty member, the Department Chair, and the Supervising Administrator. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

BIO 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BIO 85.1 Pepperwood Natural History: Physical Environment (2 Units)
A survey of the natural history of the Pepperwood Preserve, emphasizing earth sciences and native cultures (offered Fall semester only). Laboratory hours are primarily in the field and will include hiking over uneven terrain. This course (along with BIO/ERTHS 85.2) is a component of the Pepperwood Preserve Steward training program. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BIO 85.2 Pepperwood Natural History- Biotic Environment (2 Units)
A survey of the natural history of the Pepperwood Preserve, emphasizing the flora, fauna, and ecology (offered Spring semester only). Laboratory hours are primarily in the field and will include hiking over uneven terrain. This course (along with BIO/ERTHS 85.1) is a component of the Pepperwood Preserve Steward training program. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BIO 100 Basic Biology Skills (3 Units)
Students will learn in this class to apply basic study skills to the understanding of biological elements in living systems, from the level of atoms to ecosystems. A specific focus topic such as water will be used to relate learning skills to specific biological information. This course is designed for students who have not developed the skills necessary for successful completion of college transfer-level science courses.
Grading Type: Letter, Pass/No-Pass

Botany (BTNY)

BTNY 10 Plant Biology (4 Units)
This is a general education course in plant biology in which students will study the structure and function of plants, including the genetics, ecology, evolution, reproduction, and diversity of plant life forms.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

BTNY 40 Field Botany (4 Units)
Students will be introduced to the vegetation and flora of California with an emphasis on the identification and ecology of species that are representative of local plant communities. Field trips required.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

BTNY 64 Plants of the Northern Sierra (2 Units)
Field course introducing the plant communities of the Sierra Nevada north of Lake Tahoe, emphasizing the taxonomy and ecology of the ferns, conifers and flowering plants. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Business Administration (BAD)

BAD 1 Financial Accounting (4 Units)
Student will study the role of accounting in processing and reporting the effects of economic transactions. They will examine financial accounting from both the user and preparer perspectives. Topics also include information processing and reporting by the accounting information system as well as how reports are used by investors and creditors in making decisions. Economic transactions will be analyzed by type of business activity: operating, investing, or financing, and their impact on cash flows and profitability for both service and merchandising concerns. The course objectives comply with the California Core Competency Model developed by the California Society of Certified Public Accountants' Committee on Accounting Education. This course will prepare the transfer degree and/or certificate student for business or accounting programs. Rec Prep: Eligibility for ENGL C1000 or equivalent and Course Completion or Concurrent Enrollment in BAD 53.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

BAD 2 Managerial Accounting (4 Units)
This course focuses on the use of accounting information by managers in making internal decisions relating to product/service costing, cost behavior, pricing, cost analysis and control, operational and capital budgeting and responsibility reporting. Students use decision making techniques and models which assist managers in planning, directing, and controlling operations. These objectives comply with the California Core Competency Model developed by the California Society of Certified Public Accountants' Committee on Accounting Education. This course will prepare the transfer degree and certificate students for business or accounting programs.
Prerequisites/Corequisites: Course Completion of BAD 1
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

BAD 10 American Business in Its Global Context (3 Units)
This course is a survey in business providing a multidisciplinary analysis of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S and in a global context. It covers how these influences impact the main areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect a business' ability to achieve its organizational goals. This class is recommended for Business Administration majors intending to transfer to a 4 year institution. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4

BAD 18 The Legal Environment of Business (3 Units)
This course utilizes case methods to study the environmental, social, ethical and political factors which influence the development and operation of the American legal system; law of contracts and sales emphasizing California law and the Uniform Commercial Code. Recommended for Business Administration majors intending to transfer to a 4-year institution. Rec Prep: Eligibility for ENGL C1000 or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

BAD 52 Human Relations in Organizations (3 Units)
Students will address issues of self-esteem, values, attitudes, motivation, communications, team dynamics, change, creativity, conflict, stress, diversity, ethics, and health. This course is an exploration of the awareness and self-understanding of how interpersonal skills influence relationships with others and how to enhance those skills to be more successful as a member of a work environment and society. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8

BAD 53 Introduction to Solving Business Problems With Spreadsheets (1.5 Units)
This course is designed to introduce the student to the use of computer spreadsheet programs in solving business problems and improving the decision-making process. Students will create models applicable to the functional areas of finance and accounting, sales and marketing, management and human resources using a broad range of spreadsheet skills. Previous experience with computer spreadsheets is not required. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BAD 55 Intermediate Accounting (3 Units)
Students will learn intermediate accounting with theory and practical applications including the accounting process, income measurement, balance sheet preparation, cash flow and the valuation of receivables, inventories, plant, equipment, and intangible assets.
Prerequisites/Corequisites: Course Completion of BAD 2
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BAD 57 Cost Accounting (3 Units)
Students will learn cost accounting theory and applications including job, process, activity-based costing, and standard costing. Students will also evaluate data to effectively manage organizational costs.
Prerequisites/Corequisites: Course Completion of BAD 2
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BAD 59 Federal Income Tax Law (3 Units)
Students will learn Federal Revenue Act as applied to individuals including filing of returns, income items and adjustments, itemized deductions, capital, and other gains and losses.
Prerequisites/Corequisites: Course Completion of BAD 1 OR Course Completion of BBK 51
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BAD 62 Intellectual Property Law (3 Units)
In this course, students receive an overview of the principal types of intellectual property, such as trade secrets, patents, copyrights, and trademarks.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PLS 50
Transferability: Transferable to CSU
Grading Type: Letter

BAD 81 Artificial Intelligence in Business (3 Units)
Students will be introduced to the basics of Artificial Intelligence (AI) and its application in the business environment. Topics will include the history and scope of AI, ethical implications, use of generative AI including textual and visual/video applications, use of predictive/analytic AI in business, Big Data, and the application of AI in human resources. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BAD 98 Independent Study in Business (1-3 Units)
Students will complete special projects by arrangement to provide for independent study and enriched academic experience in business. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator. Students must have at least a 2.0 grade point average (GPA) in discipline-related course work.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

BAD 101 Enrolled Agent – Individual Taxation (3 Units)
This is one of a series of courses designed to prepare students to take the Internal Revenue Service (IRS) Enrolled Agent Exam. This course covers tax issues that relate to individuals which include: filing requirements, calculation for gross income, itemized deductions, tax credits, capital gains and losses, property transactions, individual retirement accounts, gift and estate taxes. Rec Prep: Eligibility for ENGL 100 or ESL 100.
Grading Type: Letter, Pass/No-Pass

BAD 102 Enrolled Agent - Business Taxation (3 Units)
This is one of a series of courses designed to prepare students to take the Internal Revenue Service (IRS) Enrolled Agent Exam. This course covers tax issues that relate to businesses which include: business entity types, income, business expenses and other deductions, adjustments to cost basis, depreciation, depletion, amortization, credits and other losses and partnerships and corporations' formation, contributions, disposition, distributions, and retirement plans. Rec Prep: Eligibility for ENGL 100 or ESL 100.
Grading Type: Letter, Pass/No-Pass

BAD 103 Enrolled Agent - Tax Representations, Practices & Procedures (3 Units)
This is one of a series of courses designed to prepare students to take the Internal Revenue Service (IRS) Enrolled Agent Exam. This course covers income tax issues that relate to requirements of individuals who may become Enrolled Agents and the extent of practice privileges, sanctionable acts and assessment and appeal procedures for preparer penalties. Rec Prep: Eligibility for ENGL 100 or ESL 100.
Grading Type: Letter, Pass/No-Pass

BAD 104 Enrolled Agent – Current Applications and IRS Requirements (3 Units)
This is last in a series of courses (capstone), designed to prepare students to take the Internal Revenue Service (IRS) Enrolled Agent Exam. This course reviews components of the Enrolled Agent Exam and current applications in the field. Rec Prep: Eligibility for ENGL 100 or ESL 100.
Prerequisites/Corequisites: Completion or Current Enrollment of BAD 101, BAD 102, and BAD 103
Grading Type: Letter, Pass/No-Pass

BAD 120 Ethics in Accounting (3 Units)
Study of professional ethics for accounting from a business perspective and historical point of view. Topics include the nature of accounting, ethical theory, ethical behavior, rules of ethical conduct, Code of Professional Conduct, American Institute of Certified Public Accountants (AICPA) standards and Internal Revenue Service (IRS) rules.
Grading Type: Letter, Pass/No-Pass

BAD 156 Fund Accounting (3 Units)
Students will learn accounting, accounting theory, and techniques for governmental units and other not-for-profit organizations.
Prerequisites/Corequisites: Course Completion of BAD 2
Grading Type: Letter, Pass/No-Pass

Business Bookkeeping (BBK)

BBK 50 Computerized Bookkeeping and Accounting 1 (3 Units)
Students will learn to record business transactions in journals and ledgers, compute payroll, and prepare financial statements using both a manual and a computerized system for a sole proprietorship. Rec Prep: Course Completion or Concurrent Enrollment in BGN 81
Transferability: Transferable to CSU
Grading Type: Letter

BBK 51 Computerized Bookkeeping and Accounting 2 (3 Units)
Students analyze, categorize, and record transactions for merchandising firms including sole proprietorships and corporations. Students will prepare and analyze financial statements and other financial reports, using both manual and computerized bookkeeping systems, such as Microsoft Excel and/or QuickBooks. Students are expected to have a basic familiarity with Microsoft Excel and QuickBooks.
Prerequisites/Corequisites: Course Completion of BBK 50
Transferability: Transferable to CSU
Grading Type: Letter

BBK 52.1 Payroll Record Keeping and Reporting (3 Units)
In this course, students will receive comprehensive training in payroll, including record keeping, payroll accounting, federal and state reporting, laws governing payroll, and computerized payroll systems. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) and Course Completion or Concurrent Enrollment in BBK 50.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BBK 53.1 QuickBooks Level 1 (1.5 Units)
Students will train in the use of QuickBooks software for personal and business applications. Topics include information gathering, setting up accounts, working with lists, recording sales and purchases, managing inventory, tracking sales tax, banking procedures, and preparing financial reports.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BBK 53.2 QuickBooks Level 2 (1.5 Units)
Students will learn advanced applications of QuickBooks accounting software. Topics include maintaining company books, preparing journal entries, creating reports, preparing budgets, creating and maintaining payroll, tracking tax information, validating data, and year end closing procedures. Rec Prep: Course Completion of BBK 53.1 and BBK 50.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BBK 99I Bookkeeper Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

BBK 753.1 QuickBooks Level 1
Students will train in the use of QuickBooks software for personal and business applications. Topics include information gathering, setting up accounts, working with lists, recording sales and purchases, managing inventory, tracking sales tax, banking procedures, and preparing financial reports.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

BBK 753.2 QuickBooks Level 2
Students will learn advanced applications of QuickBooks accounting software. Topics include maintaining company books, preparing journal entries, creating reports, preparing budgets, creating and maintaining payroll, tracking tax information, validating data, and year end closing procedures. Rec Prep: Course Completion of BBK 50 and Course Completion of BBK 53.1 (or BBK 85.4) OR BBK 753.1.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Business General (BGN)

BGN 71 Business English Grammar (3 Units)
In this course, students will study English grammar and usage to prepare students for professional positions. Participants review and use correct grammar, punctuation, spelling, and vocabulary to analyze, compose, and correct written materials. In addition to the text, a reference manual and proofreading marks are introduced for use in editing business-related sentences, paragraphs, and documents (email, memo, letter, report, etc.). Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

BGN 81 Practical Business Math Skills (3 Units)
Students will focus on the development of basic business math competencies and foundation skills in order to perform simple analysis to improve organizational performance, operations, and presentation of data in a managerial context. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

BGN 99I Administrative Assistant Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Prerequisites/Corequisites: Course Completion BGN 110, CS 60.1A, and CS 61.1A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

BGN 100 Professional Business Writing (1.5 Units)
In this course, students will learn professional business writing including digital messages, emails, memos, and letters. Topics include audience analysis, formatting, editing, proofreading techniques, and writing strategies.
Grading Type: Letter, Pass/No-Pass

BGN 110 Introduction to the Administrative Professional (1 Units)
This survey course is an introduction to the administrative assistant career. Topics include learning about the the functions and organizational structure of American business including the continuously evolving role of the administrative professional within an organization. Students will take inventory of their qualifications and skills and also begin the development of a career portfolio to which documentation and resources will be added as they move through their educational program and career. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter, Pass/No-Pass

BGN 111 Soft Skills for Business (3 Units)
Critical workforce issues including the evolution of the workplace environment; the worker's changing roles, responsibilities, and opportunities; and development of 21st century workplace skills such as ethics, critical thinking, problem solving, creativity, innovation, and individual responsibility. Throughout the course students will work in teams and examine and practice communication and soft skills. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

BGN 112 Marketing Your Skills (1.5 Units)
In this course students will identify, develop, and reinforce workforce skills including critical soft skills demanded by employers, and create a professional portfolio that includes personal branding, resumes, cover letters, personal summaries and samples of work. The class also covers using social networking sites for employment marketing. Students will develop and practice interviewing skills.
Grading Type: Letter, Pass/No-Pass

BGN 154 Office Technologies and Procedures (3 Units)
This course is an introduction to the function and process of an administrative role in a business office. Administrative and soft skills needed to function as a productive and valuable member of an office team are featured. Topics include the administrative professional role, organizing, managing and coordinating resources, file and records management, customer service, meeting, event and travel arrangements, current office technology software and apps, and other administrative tasks. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

BGN 155 Introduction to Banking (3 Units)
Students will receive a comprehensive introduction of fundamental concepts and principles of the banking industry and related financial institutions. The course provides an in-depth overview of banking operations, financial products and services banks provide to consumers and businesses, including deposit accounts; payment processing; electronic banking; lending; financial planning; laws and regulations; and the role banks play in the modern economy.
Grading Type: Letter

BGN 156 Credit and Lending Analysis (3 Units)
Students will study the fundamentals of principles and practices for credit and loan analysis, risk assessment, financial statement analysis, and cash flow analysis. Rec Prep: Course Completion or Concurrent Enrollment in BAD 1 OR Course Completion or Concurrent Enrollment in BMG 55.
Grading Type: Letter

BGN 201 Basic Keyboarding (0.5 Units)
Students will learn to type alphabetic letters, numbers, and symbol keys by touch.
Grading Type: Pass/No-Pass

Business Management (BMG)

BMG 50 Introduction to Management and Supervision (3 Units)
Students will be introduced to the principles, concepts, and practices of management, to include planning, organizing, and controlling in organizations. Topics include organizational dynamics of diversity, groups, communications, decision making, change, ethics, and social responsibility. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 52 Business Communication (3 Units)
In this course, students will learn effective communication skills applied to business letters, memos, emails, proposals, reports, and presentations. Students will also learn strategies for organizing, composing, and presenting information clearly and accurately while incorporating appropriate goodwill. This course also includes writing for the employment process. Rec Prep: Completion of COMM C1000, BGN 71, CS 60.11A, CS 61.11A, and CS 62.11A or Completion of COMM 4, BGN 71, CS 60.11A, CS 61.11A, and CS 62.11A.
Prerequisites/Corequisites: Course Completion of ENGL C1000 OR EMLS 10 (formerly ESL 10)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 53 Oral Communication in Organizations (3 Units)
Develop speaking skills to effectively and confidently deliver oral presentations in organizational settings. In addition, analyze audiences, research topics, and prepare and deliver presentations. Rec Prep: Eligibility for ENGL 100 or ESL 100 or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B

BMG 55 Fundamentals of Financial Analysis (3 Units)
Students will be introduced to financial concepts in order to interpret financial reports, including balance sheets, income statements and statements of cash flows. Evaluate financial data using key financial ratios and breakeven analysis. Calculate return on investment and variances to evaluate changes in financial positions. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 61 Skills for Managers (1.5 Units)
This course provides knowledge, skills, and tools for students to refine their professional management effectiveness. Topics include roles set for managing others, getting started, self-management within the framework of time, writing goals and objectives, focusing on results, getting results, and managing effectively. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 62.1 One-on-One Management Communication (1 Units)
Examine communication models to understand the communication process. Incorporate techniques to create messages to clearly express ideas and provide feedback. Develop leadership skills to communicate effectively to solve problems and accomplish tasks. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 62.4 Managing Workgroups (1.5 Units)
This course will enable students to determine characteristics of effective team leadership and participation after analyzing stages of group development and group roles, and to examine strategies for creating, participating in, and leading high performance teams. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 63.1 Motivation and Empowerment (1.5 Units)
This course provides the knowledge, skills, and tools for creating a motivational organizational environment. Topics include identifying individuals' motivational needs, assessing the organization's motivational status, and developing and applying motivational strategies. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 63.4 Managerial Leadership (1.5 Units)
This course provides the knowledge, skills, and tools to increase managerial leadership effectiveness. Topics include successful leadership characteristics, situational leadership styles, and setting direction with vision, mission, and policies within the organization's culture. Rec Prep: Eligibility for ENGL 100 or ESL 100 or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 66.1 Effective Decision-Making (1 Units)
This course provides the knowledge, skills, and tools to solve organizational problems, make effective decisions, and implement organizational change. Topics include selecting problems, using the rational decision-making process, selling the solution, and determining one's own decision-making style. The course provides the manager with the knowledge and the skills to create a work environment that is both proactive and rational. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 66.4 Project Management (1.5 Units)
In this course, students will receive an introduction to project management and the tools a project manager needs to be effective. Topics include initiating, planning, scheduling, implementing, controlling, evaluating, and managing a project team. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 67.4 Conflict Management (1.5 Units)
Students will explore mediation and arbitration strategies as well as communication theory and techniques with the goal of conflict resolution. Topics include an examination of contributing causes of conflict, analysis of the management mediation process, and the community mediation process for resolving conflicts. Arbitration processes and strategies will also be considered.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMG 77 Introduction to Personal Finance (3 Units)
Students will learn the basics of personal financial literacy in diverse settings. Topics will include managing income, expenses, credit, and insurance. In the area of investments, topics will include financial markets and assets, basic asset valuation, and retirement planning.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Business Marketing (BMK)

BMK 50 Marketing (3 Units)
Innovative, customer-centric strategies for students to successfully reach consumer and business markets. Focus on branding, positioning, promotions, social media, and digital communications with an emphasis on long-term, socially responsible and sustainable techniques. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMK 51 High Tech Selling and Pursuing a Sales Career (3 Units)
Students will learn the skills necessary to qualify for a professional sales job for a technology company. Areas to be covered will include Software as a Service (SaaS), the steps in a typical sales cycle, different roles and the necessary skills for each position in a sales organization, job opportunities in sales and how to get hired. Course may include guest speakers from high tech recruiting, professional services, product management, legal, and finance departments. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMK 54 Advertising, Branding, & Digital Marketing (3 Units)
Students will learn the fundamental principles of brand and advertising development to the modern \"attention economy\" where new forms of media and consumer engagement are continually being invented and reinvented. Topics include demonstrations of brand auditing, market research, media usage patterns, copywriting, and brainstorming techniques used to develop unified branding, advertising, and digital media marketing strategies relevant and motivating to current consumers. This courses culminates with a comprehensive final team project where campaign strategy, copy, design, media placement, and social media campaigns will be created for student-selected products. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMK 57 Introduction to Public Relations (1.5 Units)
Students will learn the principles and practical applications of public relations (PR) within a business marketing setting including communications strategies to build strong relationships with an organization's customers and stockholders. Topics include communications management, integrated marketing communications, crisis management, and image management. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMK 59 Consumer Behavior (1.5 Units)
Students will examine the use of consumer data and the study of emerging cultural shifts in forward planning for marketing and business. Topics include the effects of evolving consumer demand, needs, and the influence of trends, fads, buzz, pop culture, and lifestyle swings on business and consumer behavior. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

BMK 155 Digital Marketing Tools (1.5 Units)
This survey course will introduce students to the major types of digital marketing tools and technologies currently in use. Students will learn when and how to apply these tools and technologies to achieve desired marketing results. As this is a rapidly evolving field, the specifics of tools and technologies will change to reflect current practices. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Grading Type: Letter, Pass/No-Pass

Business Office Technology (BOT)

BOT 770 Business Skills Lab
Supervised one-on-one instruction in all levels of BAD 1 through BAD 99, BBK 50 through BBK 99, BGN 50 through BGN 399, BMG 50 through BMG 99, BMK 50 through BMK 99, BOT 50 through BOT 399, HOSP 50 through HOSP 99, HR 50 through HR 99, RE 50 through RE 99, and supports students need remediation of their basic computer skills.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Chemistry (CHEM)

CHEM 3A General Chemistry Part 1: Lecture (3 Units)
In this course, students will learn general principles of chemistry, including atomic theory, bonding, stoichiometry, kinetic molecular theory of gases, properties of mixtures, the periodic table, and thermochemistry. This is the lecture portion of the first semester of a one-year program of general chemistry. (Students who have completed one year of high school chemistry should consider petitioning to enroll.) Rec Prep: Course Completion of ENGL C1000 or equivalent.
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in CHEM 3AL; AND Course Completion of CHEM 42; AND Course Completion of Intermediate Algebra or higher; OR AB705 placement into Math Tier 2 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5A

CHEM 3AL General Chemistry Part 1: Lab (2 Units)
In this course, students will learn general principles of chemistry, including atomic theory, bonding, stoichiometry, kinetic molecular theory of gases, properties of mixtures, the periodic table, and thermochemistry. Emphasis will be placed on laboratory experiments that illustrate the fundamental principles and laws of chemical behavior and the properties of matter. This is the lab portion of the first semester of a one-year program of general chemistry. Rec Prep: Course Completion of ENGL C1000 or equivalent.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CHEM 3A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: Cal-GETC Area 5C

CHEM 3B General Chemistry Part 2 (5 Units)
In this course, students will learn concepts of chemical kinetics, thermodynamics, chemical equilibrium, acids and bases, nuclear chemistry, electrochemistry, coordination compounds and bonding, and selected topics in descriptive chemistry. The laboratory emphasizes methods of analytical chemistry and quantitative work. This is the second semester of general chemistry.
Prerequisites/Corequisites: Course Completion of CHEM 3A AND CHEM 3AL; OR CHEM 1A; or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

CHEM 7 Introduction to STEM Careers (1 Units)
This course covers the methods for development of career pathways in fields such as science, technology, engineering, and mathematics (STEM). Students will learn to use STEM related job-search tools, identify key job skills, develop a plan for acquiring those skills, and use communication skills related to a particular career or area of research in which the student has an interest. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of AGRI 20 OR ANSC 20 OR ASTR 3 OR ASTR 4 OR BIO 10 OR CHEM 42 OR CS 10A OR ENGR 10 OR ENVS 12 OR GEOL 1 OR NRM 12 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH)
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

CHEM 8 Introductory Organic Chemistry (5 Units)
In this course, students will learn the principles, nomenclature, structure, and reaction mechanisms of organic chemistry at an introductory level. Rec Prep: Course Completion of ENGL C1000 (or ENGL 1A)
Prerequisites/Corequisites: Course Completion of CHEM 3A AND CHEM 3AL; OR CHEM 1A; OR CHEM 42
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: Cal-GETC Area 5A,Cal-GETC Area 5C

CHEM 12A Organic Chemistry (5 Units)
For students majoring in chemistry, biochemistry, chemical engineering, or a closely related field such as molecular and cell biology. The first semester of an intensive one-year program based upon modern theoretical concepts of organic chemistry. All aspects of fundamental organic chemistry are studied, including nomenclature, chemical and physical properties, reactions and synthesis. The study includes theoretical aspects, reaction mechanisms, and multistep synthesis. Students transferring to a four-year college or university are expected to complete this sequence prior to their junior year.
Prerequisites/Corequisites: Course Completion of CHEM 1B OR CHEM 3B OR CHEM 4B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: Cal-GETC Area 5A,Cal-GETC Area 5C

CHEM 12B Organic Chemistry (5 Units)
The second semester of an intensive one-year program based upon modern theoretical concepts of organic chemistry. All aspects of fundamental organic chemistry are studied, including nomenclature, chemical and physical properties, reactions and synthesis. The study includes theoretical aspects, reaction mechanisms, and multistep synthesis. Students transferring from a four year college or university are expected to complete this sequence prior to their junior year.
Prerequisites/Corequisites: Course Completion of CHEM 12A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: Cal-GETC Area 5A,Cal-GETC Area 5C

CHEM 42 Introductory General Chemistry (4 Units)
Students will be introduced to fundamental laws and principles of the composition of matter, physical and chemical changes, atomic and molecular structure, chemical equilibria, intermolecular forces, solutions, qualitative theory and techniques, and quantitative theory and techniques. This course is a prerequisite for Chemistry 3A. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of MATH 154 or MATH 155 or MATH 156 or higher (MATH) or two years of high school algebra or equivalent; OR AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

CHEM 49 Independent Study in Chemistry (1-3 Units)
Literature, laboratory, or field research in chemistry, by arrangement, to provide for independent study. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.) Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.\ Preliminary application (written description of project objectives and methods, selection of faculty supervisor, list of required equipment and supplies) must be submitted to department chairperson one semester in advance.
Prerequisites/Corequisites: Course Completion of CHEM 1B OR CHEM 3B OR CHEM 4B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

CHEM 60 General, Organic and Biological Chemistry (5 Units)
In this course, students will study basic concepts of general, organic and biological chemistry. This course is appropriate for nursing and related majors that require one semester of chemistry. Rec Prep: Eligibility for MATH 150 or equivalent AND eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100).
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5

CHEM 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHEM 100 Basic Chemistry Skills (2 Units)
An introductory course designed to familiarize the student with the basic concepts of chemistry while developing necessary skills for success in general chemistry and chemistry for the allied health sciences. Basic mathematical operations, the metric system, and the scientific method as it applies to chemistry are also covered.
Grading Type: Letter, Pass/No-Pass

CHEM 303 Chemical Calculations for Chem 3A (0.5 Units)
Designed to assist students in successfully completing Chemistry 3A. Emphasizes the development of basic skills to increase the performance level and confidence of the student. Includes math review, development of chemical vocabulary, enhancement of computational skills, study habits, test-taking skills, report writing, graphing, and statistical analysis of data.
Prerequisites/Corequisites: Concurrent Enrollment in CHEM 3A
Grading Type: Pass/No-Pass

Child Development (CHLD)

CHLD 10 Child Growth and Development (3 Units)
This introductory course examines the major developmental milestones in the areas of biosocial, psychosocial, and cognitive development for children, both typical and atypical, from conception through adolescence. There will be an emphasis on the interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences, and analyze characteristics of development at various stages. Required for Child Development Permits.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,AA/AS Area 8,Cal-GETC Area 4

CHLD 51 Principles and Practices of Early Childhood Education (3 Units)
In this survey course of the early childhood education field, students will receive an introduction to the field of early childhood education, including overview of historical and contemporary models. Topics include an examination of developmentally and culturally appropriate principles as they apply to children's development, program components, teacher/child/family relationships, professional ethics, and career development. Students are required to observe and participate for 18 hours in a licensed early childhood program. The course is appropriate for students wishing to work with children from birth through age eight in a variety of childcare and educational programs. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 53A Introduction to Children with Special Needs (3 Units)
This course provides students with an introduction to a variety of diagnosed disabilities and other special needs conditions that cause children, birth through age eight, to show atypical development. Students will learn about laws and service provisions related to early intervention and special education. Social and educational implications, culture and family dynamics, and the context of the larger community will be discussed. This course can be combined with CHLD 53B to fulfill the requirements for specialization units on the Child Development Permit Matrix. Rec Prep: Course Eligibility for ENGL C1000 (or ENGL 1A) and Course Completion of CHLD 90.2 (or CHILD 90.2).
Prerequisites/Corequisites: Course Completion of CHLD 10
Transferability: Transferable to CSU
Grading Type: Letter

CHLD 53B Supporting Children w/ Special Needs in Early Childhood Prgm (3 Units)
In this course, students will be introduced to effective intervention strategies for working with children with special needs in early childhood education programs. The focus will be on young children, birth through age eight, with disabilities, delays, or special health care needs. Course topics will include adaptations and accommodations, Individual Education Plans (IEP), inclusive practices, and working with additional support professionals in the classroom. Best practices and developmentally appropriate curriculum strategies will be the focus. This course can be combined with CHLD 53A to fulfill the requirements for specialization units on the Child Development Permit Matrix. Rec Prep: Eligibility for ENGL C1000 or equivalent and Course Completion of CHLD 90.2.
Prerequisites/Corequisites: Course Completion of CHLD 53A (or CHLD 53)
Transferability: Transferable to CSU
Grading Type: Letter

CHLD 54 Play in Early Childhood (3 Units)
In this course, students will explore the history, purpose, and functions of play in early childhood. Play is a fundamental activity and right of childhood. Topics covered will include the social and functional categories of play, the developmental benefits of play, and play in a socio-cultural context. We will include a focus on play as the core of the early childhood classroom curriculum, and discuss the relationship between play and school readiness. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 (formerly ESL 10) equivalent.
Prerequisites/Corequisites: Course Completion of CDEV C1000 (or CHLD 10 or CHILD 10 or CHILD 50)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 55.2 Exploring Science and Math with Young Children (3 Units)
This course familiarizes students with constructivist theories of cognitive development and their application in the early childhood classroom. Students will actively explore and develop math and science concepts suitable for young children and learn to implement age-appropriate curriculum for children ages 0-8. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) AND Course Completion of CHLD 10 and CHLD 90.4; OR Course Completion of CHLD 110.1, CHLD 110.2 and CHLD 90.4.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 55.5 Foundations of Language and Literacy (3 Units)
This course provides students an overview of current research and pedagogy related to first and second language acquisition and early literacy of children from birth through age eight. Students will observe and document children's language and literacy in classroom settings, create literacy activity plans, compare tools for evaluating language development, and analyze strategies for scaffolding language and literacy. Rec Prep: Eligibility for ENGL C1000 or equivalent and Course Completion of CHLD 10.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 55.6 Art for the Young Child (3 Units)
This course will introduce students to the stages of children's artistic development, birth through age eight. Students will explore hands-on art and creative activities for use in the early childhood classroom and experience a variety of age-appropriate art media. Topics include classroom environment and materials, art education philosophies and creative development. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 and Course Completion or Concurrent Enrollment in CHLD 10 OR\ CHLD 110.1 OR CHLD 110.2.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 55.7 Music and Movement for Children (3 Units)
Students will receive an introduction to materials and methods that comprise a developmentally appropriate music curriculum for young children, which includes songs, movement, finger plays, dance, and rhythm. This course addresses the development of creativity and music education for children from birth through age eight and the role of music and movement as part of an integrated curriculum. Rec Prep: Course completion of CHLD 90.4 and Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 66 Early Childhood Care and Education Practicum (4 Units)
Students will participate in a supervised field experience with young children at Santa Rosa Junior College Children's Center or a designated off-campus Mentor Program site. Under the supervision of the course instructor and mentor teachers, students will apply previous understanding of developmental theory to classroom practice. This course focuses on identifying and developing skills and behaviors essential for effective early care and education. These include: building healthy, caring relationships with and between young children; environment and curriculum design, activity implementation, utilizing anecdotal observations, and professionalism. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 (formerly ESL 10) or equivalent. Limits on Enrollment: Health or Safety: All personnel, including the licensee, administrator and volunteers, shall be in good health and shall be physically and mentally capable of performing \ California Health and Safety Code Section 1596.7995.: (a) (1) Commencing September 1, 2016, a person shall not be employed or volunteer at a day care center if he or she has not been immunized against influenza, pertussis, and measles. Each employee and volunteer shall receive an influenza vaccination between August 1 and December 1 of each year.\ assigned tasks. good physical health shall be verified by a health screening, including a test for tuberculosis, performed by or under the supervision of a physician not more than one year prior to or seven days after employment or licensure. (22 Ca. Code of Regs. 101216(g).
Prerequisites/Corequisites: Course Completion with a grade of C or better of CHLD 10, CHLD 51 and CHLD 90.4
Transferability: Transferable to CSU
Grading Type: Letter

CHLD 68 Working With Children and Families in a Diverse Society (3 Units)
This course is designed to prepare students and professionals who will be working with young children to negotiate the cultural and sociopolitical contexts of a diverse society. Students will examine the contexts of race, culture, gender, and socio-economic class as they relate to child development and respectful interactions with families in an educational or social service environment. The focus will be on transformative education that encourages self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media and schooling, and creating pluralistic environments for children and families. Rec Prep: Course Completion of CHLD 10 OR Course Completion of CHLD 110.1 and CHLD 110.2; AND Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10).
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4

CHLD 79.1 Administration of Early Childhood Education Programs (3 Units)
This course introduces students to the administration of early childhood programs including program types, fiscal and personnel management, regulations, laws, program development, analysis of quality criteria and design of policies and procedures. Students will examine administrative tools, philosophies and techniques needed to organize, open and operate inclusive, quality early care and education programs. This course meets requirements for California Child Care Licensing administrator qualifications and the California Preschool Permit Matrix. Rec Prep: Course Completion of CHLD 51 and CHLD 90.4; Eligibility for ENGL C1000 (formerly ENGL 1A); Prior work experience in a licensed early childhood education program.
Prerequisites/Corequisites: Course Completion of CHLD 10 and Course Completion of CHLD 90.1
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 79.2 Leadership & Personnel Skills for Early Child. Administrator (3 Units)
This course will introduce students to effective strategies for personnel management, leadership, and parent engagement in early care and education settings. Students will become familiar with legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. This course meets requirements for California Child Care Licensing administrator qualifications and the California Preschool Permit Matrix. Rec Prep: Eligibility for ENGL C1000 or equivalent AND Course Completion of CHLD 51 AND CHLD 90.4.
Prerequisites/Corequisites: Course Completion of CHLD 10 and Course Completion of CHLD 90.1
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 79.4 Adult Supervision and Mentoring (2 Units)
This course is designed for experienced teachers and directors of staff to further explore methods of supervision, mentoring, and community building in the field of early childhood. Students will become familiar with the role of a mentor and methods of coaching and mentoring new and developing teachers. This course meets the requirements for the California Early Childhood Mentor Teacher Program and the Child Development Permit Matrix requirements for adult supervision. Rec Prep: Eligibility for ENGL C1000 or equivalent; Course Completion of CHLD 51 and Course Completion of CHLD 90.4; possession of a Child Development Teacher Permit or equivalent.
Prerequisites/Corequisites: Course Completion of CHLD 10 and Course Completion of CHLD 90.1
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 82 Family Engagement in Early Care & Education (3 Units)
Students will investigate issues, techniques and resources for establishing effective working relationships between early childhood professionals and families. This course is designed to provide professionals in early care and education with the skills and information necessary for building and maintaining partnerships with families. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of CHLD 51 (or CHILD 51)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 90.1 Child, Family, Community Interrelationships (3 Units)
This course explores the diversity of family systems, sociocultural factors affecting the child's development, and the socializing influences of family and community. This course meets the educational requirements for the Child Development Permit issued by the State of California Commission on Teacher Credentialing and Community Care Licensing requirements. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,AA/AS Area 8

CHLD 90.2 Observation and Assessment of Young Children (3 Units)
In this course, students will focus on the appropriate use of observation and assessment methods to document and promote young children's growth and development. Students will be introduced to and utilize a number of recording strategies (e.g., rating systems, portfolios, and multiple assessment tools, etc.) in designing culturally and developmentally appropriate curriculum to optimally support children and families. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10).
Prerequisites/Corequisites: Completion of CHLD 10 and CHLD 51; OR Completion of CHLD 110.1, 110.2 and CHLD 51
Transferability: Transferable to CSU
Grading Type: Letter

CHLD 90.3 Health, Safety and Nutrition for the Young Child (3 Units)
This course is designed to provide knowledge of health, safety and nutritional issues to child care providers in group settings for young children. Students will learn to advocate for and implement procedures to avoid health and safety problems and to respond as they occur. The course will include an introduction to laws, regulations, standards and policies related to health and safety in early childhood settings. It will focus on integrating the concepts into everyday planning and program development for all children. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter

CHLD 90.4 Introduction to Curriculum (3 Units)
In this course, students will develop knowledge and skills related to planning and implementing developmentally and culturally appropriate curriculum and environments for young children ages 0 to 8 and will examine the teacher's role in promoting practices that support learning and development with an emphasis on the essential role of play. Students will also study the overview of content areas including but not limited to: language and literacy, social and emotional learning, sensory learning, art and creativity, math and science, and using the environment as a foundation for curriculum. California Preschool and InfantToddler Learning Foundations and Framework are incorporated. This course is required for the Child Development Teacher Certificate and the Child Development Major (AA). Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10).
Prerequisites/Corequisites: Course Completion of CHLD 10 and CHLD 51; OR Course Completion of CHLD 110.1, CHLD 110.2 and CHLD 51
Transferability: Transferable to CSU
Grading Type: Letter

CHLD 95 Developing Social Competence in the Early Childhood Years (3 Units)
Students will focus on healthy social and emotional development of young children as the foundation for learning. This course is designed to provide early childhood educators, parents, and others with the skills and information necessary for fostering children's social competence in the early childhood years. Students will acquire strategies to promote children's social and emotional development and use methodology to address challenging behaviors and mental health needs. Rec Prep: Eligibility for ENGL C1000 or equivalent and Course Completion of CHLD 10 and CHLD 90.1.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 96 Working Through Stress and Loss With Children and Families (3 Units)
This course focuses on family stress and the effects on children and their families. The course is designed to enhance the ability of parents, childcare providers, teachers, and other professionals to understand and support children and their families through difficult challenges and transitions. Topics include: fostering resilience; changes in family structure; incarceration, illness (physical and mental) and death; exposure to violence in and out of the home; traumatic events; substance abuse; bullying, bias and discrimination. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CHLD 110.1 Developmental Trends of Children Under 3 (1.5 Units)
In this introductory course, students will examine the major developmental milestones in the areas of biosocial, psychosocial, and cognitive development during the periods of prenatal development through 36 months of age. Students will engage in child observations to understand developmental growth and skills. This course emphasizes practical applications and the adult role in supporting optimal growth in a variety of contexts.
Grading Type: Letter, Pass/No-Pass

CHLD 110.2 Developmental Trends in the Child Age 3-5 Years (1.5 Units)
In this course students will study the sequence of growth and development (physical, cognitive, psychosocial) of children ages 3 - 5, with an emphasis on practical applications and the adult role in supporting optimal growth in a variety of contexts. Students will conduct a series of child observations as a tool to study the characteristics of development in this age group. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

CHLD 111A Care and Education of Child---Birth to 3 Years (3 Units)
Students will learn the principles of responsive, relationship-based care and curriculum for children, birth to 36 months. Students will examine essential policies and developmentally appropriate practices that lead to quality care and education for this age group. Course topics include choosing materials, arranging environments, and creating curriculum to meet each child's individual and family needs. Elements of this course are based on the Program for Infant Toddler Care philosophy. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent or appropriate placement based on AB705 mandates..
Grading Type: Letter, Pass/No-Pass

CHLD 160.1 Beginning Early Childhood Practicum (1 Units)
In this course, students will have an initial practical experience with young children in an early childhood classroom. Students will have the opportunity to explore the teacher's role through observation, interactions with children and staff, and participation in classroom activities. Emphasis for this course will be on child observation and teacher-child interactions. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10). Limits on Enrollment: Health or Safety : Students enrolling in Child 160.1 must have a clear TB test and a health screening report [as per CA Title 22 Section 101216(g)], plus any immunizations required by Community Care Licensing for volunteers in a Child Care center.
Prerequisites/Corequisites: Course Completion of CHLD 10
Grading Type: Letter

CHLD 183 Screen Media and Child Development (3 Units)
This course will examine the influence of screen media on development in the early childhood years, from birth through age eight. This course is designed to provide teachers in early education, and others, with the skills and information necessary for interpreting the impacts of screen media on the developing child. Rec Prep: Course Completion of CHLD 10 and Eligibility for ENGL C1000 or equivalent.
Grading Type: Letter

CHLD 185.1 Creative Indoor Environments for Young Children (1.5 Units)
In this course, students will examine the creation of appropriate and creative indoor learning environments for early childhood programs (including infants, toddlers, preschool-age children, Transitional Kindergarten, and after school child care). Students will learn to design environments that meet the developmental needs of young children. Principles of planning, assessment, and design for home, center-based, and school environments will be explored and applied Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

CHLD 185.2 Creative Outdoor Environments for Young Children (1.5 Units)
Research shows that spending time in the outdoors provides multiple benefits for children and adults, including changes in behavior, optimized physical development, and positive effects on mental health. During this course, students will examine appropriate and creative outdoor learning environments for young children, infants through school-age. Topics will include planning and assessment methods for environment design with an emphasis on environments that optimize children's connection with nature. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

CHLD 186 Spanish Language Arts for Young Children (3 Units)
This course provides language arts activities in Spanish for students preparing for occupations in early childhood settings. Music, movement, and literature for children will be explored as a context for learning to effectively communicate with and teach young Spanish-speaking children. This class is taught bilingually in English and Spanish. Rec Prep: Completion of CHLD 10; OR CHLD 110.1 and CHLD 110.2.
Grading Type: Letter, Pass/No-Pass

CHLD 220 Effective Guidance and Discipline (2 Units)
In this course, students will explore practical applications of effective discipline strategies for guiding and managing positive behavior of children from birth through adolescence in family and group settings. Topics of culture and diversity will center and inform practice around guidance and discipline techniques that effectively support behavioral goals for children. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

Chinese (CHIN)

CHIN 1 Elementary Chinese - Part 1 (4 Units)
Introduction to elementary traditional Mandarin Chinese grammar and development of all language skills (listening, speaking, reading, and writing) needed to effectively communicate using Chinese cultural patterns and conventions. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

CHIN 2 Elementary Chinese - Part 2 (4 Units)
Continuation of elementary Mandarin Chinese grammar and further development of appropriate language skills required for communication in social, academic, and work-related situations. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of CHIN 1 (or CHIN 51)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

Civil & Surveying Technology (CEST)

CEST 51 Civil Drafting Technology (3 Units)
In this course students will be introduced to the theory and practice of civil engineering drafting and mapping basic manual drafting skills, computer-aided drafting, and design (CADD), and the production of civil engineering, surveying and land development plans, plats, maps and drawings utilizing AutoCAD Civil 3D software. Rec Prep: Course Completion or Concurrent Enrollment in SURV 60
Transferability: Transferable to CSU
Grading Type: Letter

CEST 63 Subdivision Planning (3 Units)
Purpose and objectives of subdivision regulations procedures with emphasis on preparation of tentative and final subdivision maps, development of improvement plans, and construction and surveying techniques.
Prerequisites/Corequisites: Course Completion of CEST 51
Transferability: Transferable to CSU
Grading Type: Letter

CEST 64 Public Works Inspection and Testing (3 Units)
In this course students will be introduced to instruction on specific inspection and testing techniques used in public works projects. Topics include identifying duties, responsibilities, policies, procedures, and methods for inspection and testing performed for cities, counties, and public agencies in California. Contracts, specifications, and construction drawings will be discussed. Responsibilities of the contractor, the engineer, the inspector, and the owner will be included. Prime consideration will be given to developing inspection records, identifying duties, and project journals.
Transferability: Transferable to CSU
Grading Type: Letter

CEST 65 Public Works Plans and Estimating (3 Units)
In this course students will read and interpret plans, and estimate time, material, labor and equipment needed for public works projects. Concepts include quantity take-offs, construction layout, rehabilitation, maintenance, inspection and testing with material cost estimating of public works improvements. Also includes the proper use of basic survey methods, symbols, mathematical conversions, and determination of slope, grade, location and volumetrics.
Transferability: Transferable to CSU
Grading Type: Letter

CEST 85 CADD for Civil, Surveying and Land Development (3 Units)
In this course students will be introduced to Computer-aided Drafting and Design (CADD) for civil engineering, surveying, and land development technicians. Industry standard civil engineering software application will be utilized in this course. Areas covered include input of surveying data for boundary and topography, creation of a digital terrain model, roadway alignments, earthwork, grading plans, plan view, profile view and cross section drawings as they relate to the professions of civil engineering, land surveying, and land development.
Prerequisites/Corequisites: Course Completion of CEST 51
Transferability: Transferable to CSU
Grading Type: Letter

CEST 98 Independent Study in Civil and Surveying Technology (1-3 Units)
In this course students will perform independent study on a chosen area of civil engineering, surveying or geospatial technology through independent study and research.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

CEST 192 Non-Technical Skills for the Civil Engineering Technician (3 Units)
An introduction to non-technical skills used by civil engineering and surveying technicians. The course will concentrate on developing an understanding of one's personal profile, emotional and social intelligence, group collaboration skills, project management skills, individual and group verbal/listening skills, written communication skills, and job search skills. Students will research technician-level careers in civil engineering and surveying technology.
Grading Type: Letter

College Skills (CSKL)

CSKL 51 Discovering College Pathways (3 Units)
In this course, students will develop and refine the critical thinking, problem-solving, and academic inquiry skills to support their learning as they explore interdisciplinary connections. Students will study two or more disciplines within at least one academic or career education pathway to examine how these disciplines and pathways intersect, overlap, and at times, contradict each other to further develop their intellectual curiosity and civic engagement. Students will identify and use specific learning support resources connected to the pathway(s) they are studying.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CSKL 312 Writing Skills Development (3.5 Units)
This course focuses on the development of writing skills and fluency necessary for academic classes and the workplace. Course covers basic sentence structure, punctuation, grammar, paragraphing, narrative composition, reading comprehension skills, and workplace communication.
Grading Type: Letter, Pass/No-Pass

CSKL 312.1 Sentence and Paragraph Development (1 Units)
This course covers the basic grammatical construction and punctuation of a variety of sentence types and includes methods for correcting fragment sentences and run-ons. Students will apply concepts to short written compositions.
Grading Type: Letter, Pass/No-Pass

CSKL 312.2 Punctuation Rules (1 Units)
This course covers the basic punctuation rules for commas, semicolons, apostrophes, and quotations. Students will incorporate the rules in short written compositions.
Grading Type: Letter, Pass/No-Pass

CSKL 312.3 Writing Style and Organization (1.5 Units)
This course covers the basic grammar, style, and organization needed for clear sentences and coherent paragraphs. Students will apply skills to short written compositions.
Grading Type: Letter, Pass/No-Pass

CSKL 367.1 Basic Math Review 1 (1 Units)
Guided independent study of math topics starting from basic arithmetic through pre-algebra using diagnostic-based software to allow students to progress from their current levels of competency. Students can build math skills in specific areas to prepare for desired math courses and occupational requirements.
Grading Type: Pass/No-Pass

CSKL 367.2 Basic Math Review 2 (1 Units)
Students will continue a guided independent study of math topics starting from advanced arithmetic, as determined by instructor and diagnostic-based software. Student will build math skills in specific areas to prepare for desired math course and occupational requirements. Rec Prep: Completion of CSKLS 367.1 or 367A or equivalent.
Grading Type: Pass/No-Pass

CSKL 368.1 General Arithmetic 1 (2 Units)
This course covers addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals. It includes application of arithmetic skills for problem-solving, interpretation of word problems, graphs, charts, and tables. Lab assignments reinforce lecture.
Grading Type: Letter, Pass/No-Pass

CSKL 368.2 General Arithmetic 2 (2 Units)
This course covers ratios, proportions, and percentages. Includes application of arithmetic skills for problem-solving, as well as methods for interpreting word problems, graphs, charts, and tables. Lab assignments reinforce the lecture.
Grading Type: Letter, Pass/No-Pass

CSKL 372 Pre-Algebra (3.5 Units)
This course covers operations with signed numbers, rules of powers and square roots applied to real numbers, using simplified, evaluated and scientific notation; geometric formulas to solve perimeters, areas, and volumes of figures; and algebraic expressions and linear equations. Emphasis is placed on critical thinking and demonstrating strategies as well as finding solutions. Regularly scheduled computer-assisted lab assignments reinforce or supplement lecture topics.
Grading Type: Letter, Pass/No-Pass

CSKL 401 Math Review A
This noncredit course is one of a set of courses designed to help students build a foundation in mathematics for future courses and the workplace. In this course, students will cover operations with whole numbers, integers, fractions, decimals, percentages, and probability. Students will develop critical thinking skills and problem-solving strategies for progress to future math courses.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 402 Math Review B
This noncredit course is one of a set of courses designed to help students build a foundation in mathematics for future courses and the workplace. In this course, students will cover real numbers, exponents, and linear equations. Students will develop critical thinking skills and problem-solving strategies for future courses.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 403 Math Review C
This noncredit course is one of a set of courses designed to help students build a foundation in mathematics for future courses and the workplace. In this course, students will cover numerical reasoning, data analysis and probability, and geometry. Students will develop critical thinking skills and problem-solving strategies for future courses.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 700 Academic Preparation - English I
This introductory noncredit course is designed to foster the skills required for success in future reading and writing courses. Students will develop skills in sentence writing, paragraph transitions, proofreading and Modern Language Association (MLA) formatting for essays and short essay written responses related to college-level readings.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 701 Academic Preparation - English II
This intermediate level noncredit course is designed to foster the skills required for success in future reading and writing courses. Students will develop sentence writing, paragraph transitions, proofreading, and modern language formatting skills for all essays and short essay written responses related to college-level readings at an intermediate level.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 722 Workplace Arithmetic--Part 2
Students will apply math concepts and problem-solving strategies to specific trades and industries. Skill areas to be covered include decimals, fractions, percents, systems of measurements, geometry, charts, tables, and graphs.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 731 Basic Academic Skills & GED Prep - Lang Arts/Soc Studies I
This course is the first level of instruction in Language Arts and Social Studies. Students will develop the knowledge and skills to prepare for the Reasoning Through Language Arts and Social Studies subtests of the General Education Development (GED) or other High School Equivalency (HSE) tests. Students will apply active reading and writing strategies as applied to the topics of language arts and social studies. Course also provides academic skills development for the Basic Academic Skills Certificate of Completion.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 732 Basic Academic Skills & GED Prep - Lang Arts/Soc Studies II
This course is the second level of instruction in Language Arts and Social Studies. Students will develop the knowledge and skills to prepare for the Reasoning Through Language Arts and Social Studies subtests of the General Education Development (GED) and other High School Equivalency (HSE) tests. Students will apply active reading and writing strategies as applied to the topics of language arts and social studies. Course also provides academic skills development for the Basic Academic Skills Certificate of Completion.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 733 Basic Academic Skills and GED Preparation III
Students will develop the knowledge and skills to prepare for the Reasoning Through Language Arts, Social Studies, Math, and Science subtests of the General Education Development (GED) or other High School Equivalency (HSE) tests. Students will apply active reading and writing strategies as applied to the topics of language arts, science, math, and social studies. Course also provides academic skills development for the Basic Academic Skills Certificate of Completion.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 741 Basic Academic Skills & GED Prep - Math/Science 1
This course is intended as the first level of instruction in Math Reasoning and Science and provides academic skills development for the Basic Academic Skills Certificate of Completion. Students will develop the initial knowledge and skills needed to pass the Math Reasoning and Science subtests of the General Education Development (GED) or other High School Equivalency (HSE) tests.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 742 Basic Academic Skills & GED Prep - Math/Science 2
This course is intended as the second level of instruction in Math Reasoning and Science and provides academic skills development for the Basic Academic Skills Certificate of Completion. Students will develop knowledge and skills needed to pass the Math Reasoning and Science subtests of the General Education Development (GED) or other High School Equivalency (HSE) tests.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CSKL 770 Supervised Tutoring
Supplemental tutoring, individual or small group, for skill-building in a variety of academic subject areas, focusing on specific learning needs in math, reading, and writing, as recommended by the referring course instructor or counselor.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Communication Studies (COMM)

COMM 2 Introduction to Performance as Communication (3 Units)
In this course, students will be introduced to performance as artistic and everyday communication. They will analyze, appreciate, and apply performance and communication concepts to poetry, prose and storytelling, drama (plays, scripts, interviews), new media texts, and real-world events. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID COMM 170
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

COMM 3 Introduction to Argumentation (3 Units)
During this course, students will focus on the essay form to build strong arguments in advance of an oral debate. Students will be instructed on how to employ solid argumentation, sound reasoning, current research, and expert evidence to write essays and construct debate arguments devoid of fallacious or misleading content. This course includes the study of argument analysis, refutation strategies, deductive versus inductive reasoning, cross-examination competence, speech delivery, and rebuttal techniques. Students will practice prior to and participate in live oral debates in front of live audiences. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID COMM 120
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B

COMM 4 Survey of Communication (3 Units)
In this introductory communication course, students will learn how to prepare and deliver public speeches while improving their ability to communicate in various group, interpersonal, and intercultural settings. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID COMM 115
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B,Cal-GETC Area 1C

COMM 5 Group Discussion and Problem Solving (3 Units)
Students will explore theoretical models and research conclusions about communication in groups. Students will participate in small-group discussions applying theory and research in the areas of problem solving, conflict resolution, group roles, leadership styles, interest-based negotiating, group-meeting protocols, organizational communication, and cultural diversity. Students will examine how groups fit into organizational, cultural, and societal structures, as well as how those structures shape the framework for the behavior of the individual and the group. Students will be expected to explain contemporary and historical theories and describe scholarly research in their essays and presentations. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID COMM 140
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B,AA/AS Area 4,AA/AS Area 8

COMM 6 Interpersonal Communication (3 Units)
Students will learn theories and research of communication in one-on-one (interpersonal) relationships, focusing on experiences, behaviors, and rules governing those interactions. Students will study factors influencing communication, such as perception, development of self-concept, self-disclosure, listening, relationships, language and conflict. Students will explore how verbal and nonverbal communication can impact the socially-constructed dynamics of one-on-one relationships. Students will be expected to explain contemporary and historical theories and describe scholarly research in their essays and presentations.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID COMM 130
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B,AA/AS Area 4,AA/AS Area 8

COMM 7 Intercultural Communication (3 Units)
Students in this survey course are introduced to the influence of culture on identity, perception, social organization, language, and nonverbal messages in intercultural encounters both within and outside the United States. The course examines variations and commonalities in communication patterns across cultures. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

COMM 9 Critical Thinking and Argumentation (3 Units)
Students will focus on written argumentation with special attention to the essay form. Students will also employ analysis, evidence, reasoning, refutation, and rebuttal in oral and written discussions and debates to develop strong arguments for their final-draft papers.
Prerequisites/Corequisites: Completion of ENGL C1000 OR EMLS 10 (formerly ESL 10) or higher
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID COMM 120
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B,Cal-GETC Area 1B

COMM 10 Introduction to Communication Theory (3 Units)
In this course, students will be introduced to the theory of human communication. They will analyze, appreciate, and apply cultural, interpersonal, public, media, organizational, and performance theories to personal experiences, influential texts, and significant events. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

COMM 49 Independent Study in Communication Studies (1-3 Units)
Special projects by arrangement to provide for independent study and enriched academic experience in Communication Studies. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

COMM 52A Forensics and Public Performance (1-3 Units)
Preparation for participation in novice forensics tournaments and community events. Activities range from debate to public speaking to oral interpretation of literature. Rec Prep: Eligibility for ENGL C1000 or equivalent and Course Completion of COMM C1000.
Transferability: Transferable to CSU
C-ID: C-ID COMM 160 B
Grading Type: Letter, Pass/No-Pass

COMM 52B Intercollegiate Speech and Debate (1-3 Units)
This course prepares students to participate in intercollegiate speech and debate tournaments. Students will research, write, and practice speeches. Students who repeat the course master communication skills through further instruction and practice. Participation in tournaments is required.
Prerequisites/Corequisites: Course Completion of COMM 52A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

COMM 98 Independent Study in Communication Studies (0.5-3 Units)
Seminars or individual conferences by arrangement to provide for independent study and enriched academic experience in Communication Studies. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, department chair and supervising administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

COMM 1000 (COMM C1000) Introduction to Public Speaking (3 Units)
In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID COMM 110
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B,Cal-GETC Area 1C

COMM 1004 (COMM C1004) Interpersonal Communication (3 Units)
This course covers theory, research, and application of ethical one-to-one communication practices in various and diverse interpersonal relationships including in personal, professional, and social situations. Additionally at SRJC, students will study factors influencing communication, such as perception, development of self-concept, self-disclosure, listening, relationships, language and conflict. Students will explore how verbal and nonverbal communication can impact the socially-constructed dynamics of one-on-one relationships. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates
Grading Type: Letter, Pass/No-Pass

Computer Studies (CS)

CS 5 Computer Literacy (3 Units)
In this course, students will learn about a broad range of computer concepts, including an overview of computer and communication systems and their historical and societal impact. Topics include how computers work, how computers are put to work, technology ethics, capabilities and limitations of information technology, basic coding concepts, human-computer interaction, operating systems, and usage of productivity software and other tools to solve problems. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B

CS 8 Foundations of Data Science (4 Units)
In this course, students will study the Foundations of Data Science from three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze that data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design. Rec Prep: Course Completion of CS 81.41A and one of the following MATH courses (STAT C1000, MATH 1A, MATH 4) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 2

CS 10A Introduction to Programming Concepts and Methodologies (4 Units)
Specification, design, implementation, testing, debugging, maintenance, and documentation of computer programs. Topics include algorithms, languages, software engineering, control structures, functions, and arrays. Numerous programs are written in C++. Intended for the absolute beginner, both computer science majors and those seeking a general introduction to computer programming. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Audit, Letter, Pass/No-Pass

CS 10B Programming Concepts and Methodologies 1 (4 Units)
Introduces the discipline of computer science using C++ and utilizing programming and practical hands-on problem solving. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates; and Course Completion of CS 10A or equivalent experience in any programming language.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

CS 10C Programming Concepts and Methodologies 2 (4 Units)
Students in this course will apply knowledge of software engineering techniques to the design and development of large programs, including data abstraction, structures, and associated algorithms. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of CS 10B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

CS 12 Assembly Language Programming/Computer Architecture (4 Units)
In this course students will be introduced to computer architecture and techniques of assembly language programming as they apply to modern microprocessors such as Intel-86, 64-bit ARM (Advanced RISC – reduced instruction set computer - Machine) and/or PowerPC. Topics include theory and concepts of virtual memory, pipelines, caches, and multitasking, hardware architecture (bus, memory, stack, I/O, interrupts), design of structured assembly language code, use of software interrupts, survey arithmetic notations (binary, hexadecimal, floating- point, binary-coded decimal), input/output, and disk processing concepts.
Prerequisites/Corequisites: Course Completion of CS 10B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

CS 17.11 Java Programming (3 Units)
Intended for students with previous programming experience. Students will learn object-oriented programming principles, Java language constructs, the Java Developer's Kit (JDK), class libraries, Web Services, Graphical User Interface (GUI) development, applications, and Java interface to databases. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of CS 10A
Transferability: Transferable to UC
Grading Type: Letter

CS 40 History of Games (3 Units)
This course will introduce students to a comprehensive study of the evolution of games throughout human history, with an emphasis on early games' impact and influence on video games. Review of the technological and artistic antecedents, with analysis of how video games reflect the beliefs, aspirations and values of the cultures where they flourish. Study includes gameplay experience and analysis of notable game genres, identifying significant artistic and technological innovations. Students will investigate gameplay and create a non-digital game that is informed by the study of game history. Rec Prep: Eligibility for ENGL C1000 or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

CS 41 Game Design (4 Units)
This course will introduce students to the basics of game design and theory using analysis, research, critiques and projects. Students will learn about the game industry and what is required to develop a video game through assignments. Students will design, model and build working video game prototypes. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) or EMLS 10 (formerly ESL 10) or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

CS 42 Introduction to Game Coding (4 Units)
This course introduces students to the design, development, and coding of simple graphical computer-based games. During the course, students will be introduced to various game engines and development environments. Students will gain experience working individually and in a team environment. Emphasis is placed on engaging players through compelling application of game mechanics, dynamics, and aesthetics, as well as on playtesting and iterative development to ensure user-centered design goals are met. Rec Prep: Course completion of CS 10A and/or programming experience.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

CS 49 Independent Study in Computer Studies (1-3 Units)
Students will complete special project(s) by arrangement to provide for independent study and an enriched academic experience in Computer Studies. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

CS 50.33 Web Projects (4 Units)
This advanced project management course guides teams of web developers through the process of developing a web or mobile project for local clients. Topics include: Writing a proposal, user-centered design and research, content development, agile development practices, effective teamwork, communication skills, production techniques, client relations, project delivery and maintenance. Students will work in teams to develop a project for a client provided by the instructor. This course is the capstone experience for Web Development programs.
Prerequisites/Corequisites: Completion or Current Enrollment in CS 50C
Transferability: Transferable to CSU
Grading Type: Letter

CS 50A Web Development 1 (3 Units)
This course provides an introduction to client-side Web development technology and design. Students learn the basics of current versions of Hypertext Markup Languages (HTML) and Cascading Style Sheets (CSS), which are used to create webpages. Lessons incorporate current industry practices related to user-centered design, including visual, and interaction design. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 50B Web Development 2 (3 Units)
This class offers advanced instruction in client-side Web development technology and design. Students work on project-based assignments using front-end frameworks, such as Bootstrap, and Web content management systems, such as WordPress. An introduction to the JavaScript language is included. Advanced topics in HTML and CSS, including language pre-processors, are presented. User-centered design, user experience research, and search engine optimization practices are explored and practiced with each project. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of CS 50A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 50C Web Development 3 - JavaScript (3 Units)
This course focuses on JavaScript programming for client-side Web development. Students learn to create advanced interactive projects including games, data visualizations, generative art, mobile applications, and other browser-based interactive experiences. Students gain experience working with open-source JavaScript libraries such as jQuery, the Google Maps API, D3.js and many others. Project-based assignments lead to a comprehensive portfolio website of all class projects. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion or Current Enrollment in CS 50B
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 55.13 Server-Side Web Development (3 Units)
This is an introduction to server-side web development using open-source technologies as well as a comprehensive course in server-side scripting languages such as PHP and JavaScript. Students will design and develop object-oriented full-stack web and mobile applications, using server-side and client-side scripting languages, cloud-based database and authentication services, and open-source frameworks and libraries. Advanced topics covered include dynamic generation of content using Structured Query Language (SQL) and NoSQL databases, session management, cookies, web services, e-commerce, and the Node.js JavaScript runtime. Previous programming experience recommended. Rec Prep: Completion of CS 10A and/or CS 50C AND Eligibility for ENGL C1000 (formerly ENGL 1A) or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 55.14 Mobile Hybrid Application and Interaction Design (3 Units)
This course introduces core principles and techniques essential to building interactive applications for mobile devices. It includes units on content adaptation strategies, designing for mobile devices, detecting device capabilities, viewing and testing with emulators, and creating web-based mobile applications, Web technologies covered include Asynchronous JavaScript and Extensible Markup Language (XML) (AJAX), mobile web frameworks, and other current industry standard platforms.
Prerequisites/Corequisites: Course Completion of CS 50C OR CS 55.13
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 57.11 Social Media, the Internet, and Society (3 Units)
Students will be introduced to the landscape of emerging social media within the information society. Using an interdisciplinary approach, students develop a critical understanding of the psychology, history, sociology, politics, and economics of new information technologies and the sociocultural shifts from which they evolved. By focusing on cutting-edge content and events, students study and apply theoretical concepts to real-life issues, such as the impact of technology on society, the relationship between digital devices and identity, the explosion of video content, privacy and surveillance, intellectual property, hacktivism, cybercrime, and more. Using video, audio, web-based, and print materials, students explore the complex and interconnected relationship between emerging social media, technology, and society.
Grading Type: Letter, Pass/No-Pass

CS 57.12 Applied Social Media (3 Units)
Build your brand and grow a thriving audience on social media! Students will plan, launch, and grow a successful social media channel using video platforms like YouTube and TikTok or text and image platforms like Instagram, X, and LinkedIn (check section comments for the semester's platform). Topics include strategic planning, brand identity, content creation, community engagement, data analytics, AI tools. This course prepares students for careers in academic, professional, personal, and organizational roles involving social media management, content creation, and community management.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 60.1A Microsoft Word, Part 1 (1.5 Units)
In this course, students will learn to create and format Microsoft Word documents. Features include character, paragraph, and page formatting; proofreading tools; tables; bulleted and numbered lists; page numbering; graphics; and managing files.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 60.1B Microsoft Word, Part 2 (1.5 Units)
In this course, students will learn to increase productivity in Microsoft Word by using advanced features and formats.
Prerequisites/Corequisites: Course Completion of CS 60.1A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 61.1A Microsoft Excel, Part 1 (1.5 Units)
In this course, students will learn to create and manage worksheets and workbooks, create cells and ranges, create tables, apply formulas and functions, and create charts and objects. This course aligns with the Microsoft Office Specialist certification test.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 61.1B Microsoft Excel, Part 2 (1.5 Units)
In this course, students will learn advanced Excel skills such as managing workbook options and settings, managing and formatting data, creating advanced formulas and macros, and managing advanced charts and tables. This course aligns with the Microsoft Office Specialist (MOS) Excel Expert exam.
Prerequisites/Corequisites: Course Completion of CS 61.1A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 62.11 Microsoft PowerPoint (1.5 Units)
In this course, students will learn to create slide presentations by adding visual elements, applying textual formatting, and working with graphics and slide customization.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 63.1A Microsoft Access, Part 1 (1.5 Units)
In this course, students will learn to create Microsoft Access database objects. Features include database creation, introduction to database administrative tasks, data input, storage, retrieval, editing, and reporting.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 70.1 Photoshop 1: Fundamental Skills (3 Units)
Learn essential techniques and unleash your creative potential with Photoshop! This beginner-friendly course empowers you to transform ideas into images for social media, branding, marketing, print, web and artistic projects. Students will complete hands-on projects to learn the fundamental skills of image creation and manipulation, including layering and masking, color adjustments, text effects, retouching, adding special effects and using the latest artificial intelligence (AI) features. Master the fundamentals, confidently navigate Photoshop's tools and features, edit and enhance images, design eye-catching graphics and unleash your imagination! This course prepares students for jobs as a content creator, graphic or web designer, photo editor, social media manager or freelance designer. Rec Prep: Course Completion of CS 5.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 70.12 Photoshop Advanced Concepts (4 Units)
In this course, students will study Photoshop's advanced features. Topics will include configuring painting tools, creating web graphics, using analysis features, creating flexible images through the use of variables, creating simple animation, exploring Neural Filters, creating advanced image composites, and using automation to speed up workflow.
Prerequisites/Corequisites: Course Completion of CS 70.1B
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 70.2 Photoshop 2: Incredible Images (3 Units)
Elevate your skills to transform boring photos into incredible images! Learn high-end photo editing techniques and use artificial intelligence (AI) powered tools to unleash your creativity. Using hands-on projects, students will learn to make photos pop, create stunning composites, add special effects, perfect color, adjust mood and lighting, retouch distractions, replace subjects and backgrounds to look real, and more. Unlock your creative potential and learn to produce visually stunning, high quality images. Prepare for a range of career opportunities, including photo editing, graphic design, marketing, branding, photography, and freelance side hustles.
Prerequisites/Corequisites: Course Completion of CS 70.1(or CS 70.11A)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 70.3 Photoshop for Profit (3 Units)
Level up your creative photo editing skills and turn them into a thriving source of income! Using hands-on projects, students will learn to identify lucrative opportunities, hone their skills, and leverage Photoshop's artificial intelligence (AI) to create in-demand work. Complete real world assignments that simulate paying freelance clients and income opportunities. Whether you're freelancing, starting a side hustle, or seeking career growth, this course empowers you to take your Photoshop skills to the bank.
Prerequisites/Corequisites: Course Completion of CS 70.1 or CS 70.1A (or CS 70.11A)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 71.11 Adobe Illustrator 1 (3 Units)
In this course, students will cover the popular graphics software program Adobe Illustrator. Topics include the creation, modification, and formatting of vector objects, basic illustrations, type, importing/exporting graphics, live effects, and other Illustrator tools. Rec Prep: Completion of CS 5.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 72.1A Adobe InDesign 1 (3 Units)
For professionals in the magazine and newspaper industry, Adobe InDesign is indispensable. In this course, students will develop beginning desktop publishing skills using Adobe InDesign for common tasks such as publication layout design, full-page spreads, multi-page layouts, and will learn how to use the generative AI-powered capabilities of Text to Image and Generative Expand in existing InDesign tools. Students will complete real-world assignments such as fliers, brochures, slideshows, promotional materials, and newsletters for print and PDF output that simulate freelance projects. Using hands-on projects, students will learn to identify lucrative opportunities, hone their skills, and leverage artificial intelligence (AI), to create in-demand work.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 72.1B Adobe InDesign 2 (4 Units)
Adobe InDesign is a professional desktop publishing application that lets students create stunning page layouts, creative print media, e-books and other digital publications faster and more efficiently. InDesign is built for designers, prepress and production professionals, and print service providers. This advanced course will take a basic knowledge of InDesign to the next level. In this course, students will work with advanced text styles, nested styles, and understand hyphenation, justification, and keep options, as well as work with long documents. Explore the features and options of Adobe's artificial intelligence (AI), "Generative Expand."
Prerequisites/Corequisites: Course Completion of CS 72.1A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 74.11 Introduction to Digital Media (3 Units)
Students in this course will be introduced to digital imaging, illustrations, audio, video, animation, web content design, best practices, and content development. Using industry standard software, students will create and display a digital media portfolio on a website that they design. The portfolio will include text, graphics, logos, animation, video, and audio. Rec Prep: Course Eligibility for CS 5.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 74.22 Digital Video Post-Production (3 Units)
In this class, students will learn video post-production fundamentals using professional Non-Linear Editing (NLE) digital video software. Lessons include: Choosing Cameras, Lighting & Audio Equipment, Importing Media, Timeline Sequences, Timecode, Editing to exact total running time (TRT), Aspect Ratios, Asset Management, Transitions, Effects, Titles, Still Frames and Workflow, Multiple Sequences, 2D Key Frame Animations, Custom Effects, Green Screen Masking, Basic Compositing, JandL Audio Transitions. Students will demonstrate knowledge of these concepts will culminate in a final project short video that displays the application of these techniques. Students are not required to film or have access to a camera for this class.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 74.33 Introduction to Motion Graphics (RVPA) (3 Units)
In this course, students will examine concepts, practices, and techniques in motion graphic design and visual effects software. Topics include digital compositing, animation, interaction design, and visual effects to produce captivating communication design for film, TV, web, and the entertainment industries. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 75.11 Introduction to Adobe Character Animator (3 Units)
Do you have ideas for amazing, animated stories, but have no idea where to start? In this course, students learn the step-by-step process of creating their first animation using Adobe Character Animator. Learn how to record your voice and facial movements using the advanced new facial tracking technology and your computer's camera.
Prerequisites/Corequisites: Course completion of CS 70.1A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 75.12 Introduction to Digital 2D Animation (RVPA) (3 Units)
Students will learn the principles of 2D animation: creating characters; drawing key poses and in-betweens; designing movement paths, pose manipulation and cycles; timing movement based on sound tracks; utilizing storyboards and dynamic composition to create animated scenes; and testing motion studies and scene storytelling with software. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 76.11 Drone Piloting and Imaging (3 Units)
In this course, students will be introduced to multiple facets of drone technology. Topics include learning how to fly a drone safely, the rules and regulations related to drone operation, how to capture videos and stills using drones, how drones are used in industry, and how to prepare for the FAA Part 107 commercial drone pilot exam. Successful completion of this course qualifies students to earn the Drone Studies: Commercial Drone Certification Certificate. Provides a starting point to using drones in multiple disciplines and careers. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 77.11 Introduction to Virtual Production (3 Units)
Students will learn the technical and visual aspects of three-dimensional virtual production for digital video and film. Topics will include all stages of virtual production, including pre-production, storyboards, blocking, lighting, sets, and props. Students will gain knowledge and technical skills, including real-time three-dimensional visualization using game engines, motion capture, workflows, camera functions and movement, industry terminology, as well as learn about crew duties and responsibilities. Rec Prep: Course Completion of CS 42 and Course Completion of APTE 43, or prior experience with 3D modelling and game engines..
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 77.12 Virtual Production 2 (RVPA) (3 Units)
In this course, students will explore 3D Virtual Film and TV Production: Motion Capture, Cinematography, Lighting, Props, Art Direction, Technical and Visual aspects of Virtual Production, including pre-production, storyboards, blocking, lighting, locations and props; technical skills, including Realtime 3D engines, workflows, camera functions and movement, safe use of equipment, on-set protocol, industry terminology, duties; responsibilities of the camera, lighting, motion, and art teams. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Prerequisites/Corequisites: Course Completion of CS 77.11
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 78.1A Make It with 3D Printing (1.5 Units)
Students will learn where to find 3D models and turn them into physical objects using a variety of 3D printers. This course includes learning about the features and abilities of 3D printers and the software and hardware used for 3D printing. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 78.1B Design It for 3D Printing (1.5 Units)
In this course students will learn how to modify existing 3D models and create their own custom objects. Students will work with 3D modeling and slicing software to print these objects. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Prerequisites/Corequisites: Course Completion of CS 78.1A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 80.15 IT Essentials 1: PC Hardware and Software (4 Units)
Information Technology (IT) Essentials curriculum introduces students to the computer hardware and software skills needed to help meet the growing demand for entry-level Information Communication Technology (ICT) professionals. The curriculum covers the fundamentals of computer hardware and software as well as advanced concepts such as security, networking, and the responsibilities of an ICT professional. The IT Essentials (ITE) curriculum emphasizes practical experience to help students develop fundamental computer and career skills. ITE helps students prepare for entry-level career opportunities in ICT and the CompTIA A+ certification. The course also provides a learning pathway to Cisco Certified Network Associate (CCNA). Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 81.21 Introduction to Linux (3 Units)
Students will learn the basic concepts of the Linux Operating System including essential commands, computer operating system processes, user account controls, file system management, system security, and documentation. Completion of the course will provide a basic working knowledge of: free and open-source software and licenses; essential Linux commands; login and logout sequences; setting passwords; hardware, processes, programs, and the components of the Linux Operating System; creating and restoring compressed backups and archives; system security; users/groups and file permissions for public and private directories; creating and running simple scripts; and, basic system administration.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 81.41 Programming Essentials in Python for Networking (3 Units)
In this introductory computer science course, students will learn basic concepts of computer science and fundamental techniques for solving problems using the Python programming language. This introductory programming course is suitable for both liberal arts and sciences students to further the development of critical thinking and logical reasoning through problem solving with computer programming. Students will learn to craft scripting tools, using Python programming techniques, needed for system administration, web application auditing, cybersecurity, and penetration testing. The course will help students prepare for the Python Institute's Certified Entry-Level Python Programmer Certification (PCEP) and Certified Associate in Python Programming Certification (PCAP) exams. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 81.62 Relational Database Concepts and Structured Query Language (3 Units)
Introduces students to relational database concepts, design and administration. Students will learn the syntax and use of Structured Query Language (SQL); how to install and run a relational database server such as MySQL; as well as how to design a relational database for applications. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 82.2A Introduction to Networks (4 Units)
This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the Open Systems Interconnection (OSI) and Transmission Control Protocol (TCP) layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of Internet Protocol (IP) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Network simulator activities help students analyze protocol and network operation and build small networks in a virtual environment. Students build simple Local Area Network (LAN) topologies by applying basic principles of cabling, performing basic configurations of network devices, including routers and switches, and implementing IP addressing schemes. Network Fundamentals is the first of the three courses leading to the Cisco Certified Network Associate (CCNA) designation. Rec Prep: Completion of CS 80.15.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 82.2B Switching, Routing and Wireless Essentials (4 Units)
The second course in the Cisco Certified Network Associate (CCNA) curriculum focuses on switching technologies and router operations that support small-to-medium business networks and includes Wireless Local Area Networks (WLANs) and security concepts. Students learn key switching and routing concepts. Students will perform basic network configuration and troubleshooting, identify and mitigate Local Area Network (LAN) security threats, and configure and secure a basic WLAN.
Prerequisites/Corequisites: Course Completion of CS 82.2A (or CS 82.22A)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 82.2C Enterprise Networking, Security, and Automation (4 Units)
This third and final course in the Cisco Certified Network Associate (CCNA) series describes the architecture, components, operations, and security to scale for large, complex networks, including Wide Area Network (WAN) technologies. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how Application Programming Interfaces (API) and configuration management tools enable network automation.
Prerequisites/Corequisites: Course Completion of CS 82.2B (or CS 82.22B)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 82.57 Cybersecurity Operations (3 Units)
This course equips students with the knowledge and skills needed by today's organizations that are challenged with rapidly detecting cybersecurity breaches and effectively responding to security incidents. The student could be part of a team of people in Security Operations Centers (SOC) keeping a vigilant eye on security systems, protecting their organizations by detecting and responding to cybersecurity threats or a Systems/Network Administrator desirous of better securing their organization. Cisco Certified Network Associate (CCNA) Cyber Ops prepares candidates to begin a career working with associate-level cybersecurity analysts within security operations centers. Rec Prep: Completion of CS 81.21 and CS 81.81A and CS 82.22A and CS 82.58.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 82.58 Introduction to Information Systems Security (3 Units)
An introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. It provides in-depth coverage of the current risks and threats to an organization's data, combined with a structured way of addressing the safeguarding of these critical electronic assets. Additionally, the course provides the broad-based knowledge necessary to prepare students for further study in other specialized security fields. It is also intended to serve the needs of individuals seeking to pass the Computing Technology Industry Association's (CompTIA) Security+ certification exam. Rec Prep: Completion of CS 82.22A.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 82.71 Ethical Hacking and Systems Defense (3 Units)
This course combines an ethical hacking methodology with the hands-on application of security tools to better help students secure their systems. Students are introduced to common countermeasures that effectively reduce and/or mitigate attacks. Learn how hackers penetrate computers and networks, and how to protect Windows and Linux systems. Legal restrictions and ethical guidelines will be taught and enforced. The course will help students prepare for the EC-Council "Certified Ethical Hacker" certification exams. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of CS 81.21 and CS 82.58 (or CS 82.55)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 84.13 IT Support (3 Units)
This course introduces students to the knowledge necessary to support information technology (IT) solutions and users of such systems. Topics include introduction to IT support, resolving service calls, installing and configuring computer hardware, software applications, networks, security, client-server and mobile computing, web applications, multimedia resources, communications systems, and the planning and management of the technology lifecycle.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 84.21 Management Information Systems (3 Units)
Students will examine the use of information systems to support the management activities of an organization. They will explore topics including: the fundamentals of hardware, software, and database management; data communications; business intelligence; networks; commerce; artificial intelligence; mobile computing; and systems analyses and design. Students will also explore information systems that support transaction processing and decision support, among others. Case studies and software packages will be utilized to illustrate the principles covered. Rec Prep: Eligibility for ENGL C1000 or equivalent and Course Completion of CS 5.
Transferability: Transferable to CSU
Grading Type: Letter

CS 84.26 Project Management for IT Professionals (3 Units)
This course is designed for professionals who coordinate or manage small-to-medium-size projects, inside and outside of Information Technology (IT). The course provides the knowledge, skills, and abilities (KSAs) required to manage the project life cycle, ensure appropriate communication, manage resources and stakeholders, maintain project documentation, and support the completion of larger projects. Projects will be based on Networking, System and Security Administration (NSSA) activities. The course will help students prepare for the CompTIA Project + Certification exam.
Prerequisites/Corequisites: Course completion of CS 81.1A and CS 82.2C and CS 82.58
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

CS 98 Independent Study in Computer Studies (0.5-3 Units)
Students will complete special project(s) by arrangement to provide for independent study and an enriched academic experience in Computer Studies. Rec Prep: Eligibility for ENGL 100 or ESL 100. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 99I Computer Studies Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 102 Introduction to Artificial Intelligence Tools (3 Units)
This hands-on course introduces students to the practical applications of artificial intelligence (AI). Students will explore a variety of AI tools designed to enhance their personal, and professional lives. Through interactive activities, students will learn to leverage AI to generate creative content, boost productivity, streamline tasks, enhance learning, customize a digital assistant and more. No prior experience with AI is required. Discover the empowering potential of AI!
Grading Type: Letter, Pass/No-Pass

CS 110A Coding for Beginners (1.5 Units)
This course is designed to teach basic computer programming concepts to anyone – no programming experience required. Using simple tools, students will learn the building blocks of computer programs in a stress-free environment. This introduction to coding will guide students through the process of creating simple programs, starting with graphical coding tools.
Grading Type: Letter, Pass/No-Pass

CS 167.1 Microsoft Outlook (0.5 Units)
In this course students receive an overview of Microsoft Outlook: work with Contact lists and groups; use the Calendar to set appointments, events, and meetings; compose emails; use Notes, and Tasks; and use Microsoft Outlook with other applications.
Grading Type: Pass/No-Pass

CS 176.2 Applied Drone Projects (3 Units)
Students will use drone technology to complete real-world projects including photography/videography and basic mapping.
Prerequisites/Corequisites: Course Completion of CS 76.11
Grading Type: Letter, Pass/No-Pass

CS 180.3 Introduction to Virtualization and Cloud Computing (3 Units)
This course provides the underlying knowledge required by IT Professionals who will be evaluating cloud computing solutions (such as Google Cloud, Microsoft Azure, and Amazon Web Services), whether they are administrators, developers, or database administrators. It introduces students to the principles of cloud computing and students will become familiar with how these principles have been implemented in the major commercial platforms. In addition, this course explains how to implement the core infrastructure, consisting of virtual networks and storage. With this foundation, students will be able to create the most common services, including virtual machines, web apps, and databases. The students will also learn about container-based services and the most prominent examples of serverless computing. The course also serves the needs of individuals seeking to pass the Computing Technology Industry Association's (CompTIA) Cloud+ and Cloud Essentials certification exams. Rec Prep: Completion of CS 81.81A and CS 82.22A and CS 82.58.
Grading Type: Letter, Pass/No-Pass

CS 181.2 Linux Administration 1 (3 Units)
In this course, students will learn the basic concepts of system administration and covers the fundamentals of the Linux operating system, system architecture, installation, command line and file system. The course also helps prepare students for the exam objectives aligned to the first half of the Linux Professional Institute (www.LPI.org) LPIC-1 Linux Administrator first certification exam. Individuals who successfully complete this course will understand Linux system architecture, Linux installation and packages, Linux command line, device basics and the Linux file system. Knowledge of Linux is a helpful skill for a wide variety of careers in business and Information Technology fields. Many emerging and growing career opportunities including big data, cloud computing, cybersecurity, information systems, networking, programming, and software development (to name a few) require basic to advanced knowledge of the Linux command line. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

CS 181.3 Linux Administration 2 (3 Units)
In this course, students will prepare for the Linux Professional Institute LPIC-1 certification. This course prepares students for the exam objectives aligned to the second half of the Linux Professional Institute (www.LPI.org) LPIC-1 Linux Administrator first certification exam. Students who successfully complete this course will understand shells, scripting, data management, interfaces and desktops, administrative tasks, essential system services, network fundamentals and system security. Linux has been around since the mid-'90s and is widely adopted across products, markets and industries. Mastering Linux installation, configuring and maintenance is key to securing an IT administrator job. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of CS 181.2 (or CS 181.23A)
Grading Type: Letter, Pass/No-Pass

CS 701 Computer Studies Survey
Students will be introduced to some of the topics taught in the Computer Studies Department. May include topics such as drone operation, programming, video editing, social media, and graphic production. Also includes information about possible careers using these skills.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CS 742 Introduction to Game Coding
This non-credit course introduces students to the design, development, and coding of simple graphical computer-based games. During the course, students will be introduced to various game engines and development environments. Students will gain experience working individually and in a team environment. Emphasis is placed on engaging players through compelling application of game mechanics, dynamics, and aesthetics, as well as on playtesting and iterative development to ensure user-centered design goals are met.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 750A Web Development 1
This non-credit course provides an introduction to client-side Web development technology and design. Students learn the basics of current versions of Hypertext Markup Languages (HTML) and Cascading Style Sheets (CSS) , which are used to create webpages. Lessons incorporate current industry practices related to user-centered design, including visual, and interaction design.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CS 750B Web Development 2
This non-credit course offers advanced instruction in client-side Web development technology and design. Students work on project-based assignments using front-end frameworks, such as Bootstrap, and Web content management systems, such as WordPress. An introduction to the JavaScript language is included. Advanced topics in HTML and CSS, including language pre-processors, are presented. User-centered design, user experience research, and search engine optimization practices are explored and practiced with each project.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CS 750C Web Development 3 - JavaScript
This course focuses on JavaScript programming for client-side Web development. Students learn to create advanced interactive projects including games, data visualizations, generative art, mobile applications, and other browser-based interactive experiences. Students gain experience working with open-source JavaScript libraries such as jQuery, the Google Maps API, D3.js, and many others. Project-based assignments lead to a comprehensive portfolio website of all class projects.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

CS 770.1 Photoshop 1: Fundamental Skills
Learn essential techniques and unleash your creative potential with Photoshop! This beginner-friendly non-credit course empowers you to transform ideas into images for social media, branding, marketing, print, web and artistic projects. Students will complete hands-on projects to learn the fundamental skills of image creation and manipulation, including layering and masking, color adjustments, text effects, retouching, adding special effects and using the latest artificial intelligence (AI) features. Master the fundamentals, confidently navigate Photoshop's tools and features, edit and enhance images, design eye-catching graphics and unleash your imagination! This course prepares students for jobs as a content creator, graphic or web designer, photo editor, social media manager or freelance designer.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 774.1 Introduction to Digital Media
Students in this non-credit course will be introduced to digital imaging, illustrations, audio, video, animation, web content design, best practices, and content development. Using industry standard software, students will create and display a digital media portfolio on a website that they design. The portfolio will include text, graphics, logos, animation, video, and audio.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 774.2 Digital Video Post-Production
In this non-credit class, students will learn video post-production fundamentals using professional Non-Linear Editing (NLE) digital video software. Lessons include: Choosing Cameras, Lighting & Audio Equipment, Importing Media, Timeline Sequences, Timecode, Editing to exact total running time (TRT), Aspect Ratios, Asset Management, Transitions, Effects, Titles, Still Frames and Workflow, Multiple Sequences, 2D Key Frame Animations, Custom Effects, Green Screen Masking, Basic Compositing, and J and L Audio Transitions. Students will demonstrate knowledge of these concepts which will culminate in a final project short video that displays the application of these techniques. Students are not required to film or have access to a camera for this class.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 774.3 Introduction to Motion Graphics (RVPA)
In this non-credit course, students will examine concepts, practices, and techniques in motion graphic design and visual effects software. Topics include digital compositing, animation, interaction design, and visual effects to produce captivating communication design for film, TV, web, and the entertainment industries. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 775.1 Introduction to Digital 2D Animation (RVPA)
In this non-credit course, students will learn the traditional principles of 2D animation: creating characters; drawing key poses and in-betweens; designing movement paths, pose manipulation and cycles; timing movement based on sound tracks; utilizing storyboards and dynamic composition to create animated scenes; and testing motion studies and scene storytelling with software. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CS 777.1 Introduction to Virtual Production
In this non-credit course, students will learn the technical and visual aspects of three-dimensional virtual production for digital video and film. Topics will include all stages of virtual production, including pre-production, storyboards, blocking, lighting, sets, and props. Students will gain knowledge and technical skills, including real-time three-dimensional visualization using game engines, motion capture, workflows, camera functions and movement, industry terminology, as well as learn about crew duties and responsibilities. Rec Prep: Course Completion of CS 742 and Course Completion of APTE 743.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

Construction Management Tech (CONS)

CONS 98 Independent Study in Construction Management (1-3 Units)
In this course continuing and advanced students will engage in independent study to provide an enriched academic experience in the field of Construction Management. Requires department approval. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Program Coordinator and Supervising Administrator. Requires instructor's signature for approval.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

CONS 101 Introduction to the Construction Industry (3 Units)
Students will be introduced to the construction industry, careers, and roles and responsibilities within a construction firm. The construction project lifecycle and management of that process, safety issues, related agencies and organizations, and an introduction to basic construction technologies will also be covered. Field trip(s) may be required. Rec Prep: Eligibility for ENGL C1000 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

CONS 102 Construction Practice and Technologies (3 Units)
Students will be introduced to basic and standard construction methods and construction sequencing for residential and light commercial buildings. Field trip(s) will be required. Rec Prep: Eligibility for ENGL C1000 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

CONS 103 Construction Materials, Methods and Equipment (3 Units)
Students will explore the materials, methods, tools, and equipment used in construction. Areas covered will include construction site organization, materials handling and staging, materials and product physical properties, suitable applications for different materials, manufacturing, and service life expectations. Common construction methods and building component detailing to create functioning systems will also be included. Proper use of Personal Protective Equipment (PPE) and safe work practices will be discussed. Field trip(s) will be required. Rec Prep: Eligibility for ENGL C1000 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

CONS 104 Construction Management and Scheduling (3 Units)
Students will be introduced to the managerial functions and operations of a construction business, including the scheduling of work, project funding, and acquiring labor, equipment, and materials for construction projects. Field trips may be required. Rec Prep: Course Completion or Concurrent Enrollment in CONS 102
Prerequisites/Corequisites: Course Completion of CONS 101
Grading Type: Letter

CONS 105 Construction Contract Documents (3 Units)
Students will gain experience working with and understanding the relationship between all the components that constitute typical contract documents for a construction project. Course components include the working drawings, Project Manual, specifications, contracting requirements, procurement requirements, modifications and addenda, and resource drawings. Field trips may be required.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CONS 103
Grading Type: Letter

CONS 106 Construction Estimating and Bidding (3 Units)
Students will utilize current industry-accepted methods for doing quantity surveys for the preparation of cost estimates for construction or bidding purposes in this intermediate-level course. The culture and environment of the construction industry will be examined as related to construction estimates including methods, ethics, legal issues, and procedures.
Prerequisites/Corequisites: Course Completion of CONS 101
Grading Type: Letter

Counseling (COUN)

COUN 6 Introduction to Career Development (3 Units)
Students class will learn the importance of developing a career plan and how it can contribute to a satisfying and healthy life. Emphasis is on interest and personality testing, values clarification, skills assessment, career information, research skills, decision-making, and goal-setting. Course also covers changing job trends and requirements, as well as factors related to the procurement and retention of employment.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8

COUN 7 Identity and Cultural Diversity (3 Units)
Students will compare and analyze multicultural perspectives from a historical, societal, and individual lens. Students will learn about the intersectionality of identity, race/ethnicity, gender, disability, social class, and belief system. Students will explore the relationship between personality development and culture, barriers to cross-cultural interaction, communication styles and counseling strategies. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 OR equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

COUN 10 Student Success-The First Year Experience (3 Units)
This course provides students in their first year of college with an introduction to the nature, meanings, and outcomes of higher education. Students will explore and apply intellectual, social, and psychological principles that lead to well-being and success in college. Students will examine the stages of adult development, learn successful life management techniques, financial literacy, strategies for motivation, and stress management, and apply creative and critical thinking techniques. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8

COUN 20 Sex and Gender (3 Units)
This course is an exploration of gender and sexual identity in U.S culture, and includes gender and sexual discrimination and harassment. The relationship between gender and sex and other aspects of our personal and social identities, such as race/ethnicity, age, physical disabilities will be examined. Cross-cultural comparisons of non-Western societies' views of sex and gender identities will be explored. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,AA/AS Area 8,Cal-GETC Area 4

COUN 53 Strategies for College Success (3 Units)
In this course, students will examine strategies to enhance academic success and personal development. Students will learn to strengthen academic study strategies, such as note taking, memorizing, and test taking skills; apply life management techniques to accomplish goals; and gain techniques to manage time, personal finances, and stress for a healthy lifestyle. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8

COUN 60 Effective Study Workshop (1 Units)
This course is designed to assist students in improving their study skills. Topics include goal identification, organizing study habits, how to read and study textbooks, take effective notes, how to prepare for and take examinations, and the efficient use of the library. Course covers the total development of the individual and attitudes toward academic and personal problem solving. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

COUN 80 Understanding the Transfer Process (1 Units)
An introduction to the process of transfer from a community college to a university for the purposes of long-term educational planning. Students will evaluate and choose universities based on research about degrees offered, transfer requirements, the application process, housing, financial aid, scholarships and support services. Rec Prep: Recommended Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100).
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

COUN 98 Independent Study in Counseling (1-3 Units)
Individualized studies in Counseling and/or Human Services. Independent study will provide an enriched academic experience on an approved research topic. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates. Limits on Enrollment: Approval of project proposal by sponsoring faculty and Department Chair.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

COUN 162.1 Career Assessment and Research (1 Units)
In this course, students will begin to create a career plan by analyzing career assessment results and conducting research. Emphasis is on interest and personality testing, values clarification, skills assessment, and career information research skills. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

COUN 270 Introduction to College (0.5 Units)
An introduction to Santa Rosa Junior College that includes programs, services, policies, degrees, certificates, transfer requirements, and college culture. Focus will be on strategies needed for academic success and the development of an academic plan.
Grading Type: Only Pass/No-Pass Credit

Culinary Arts (CUL)

CUL 98 Independent Study in Culinary Arts (1-3 Units)
Special projects by arrangement to provide for independent study and enriched academic experience for continuing and advanced students. Limits on Enrollment: Approval of the project proposal by sponsoring Faculty, Department Chair, and Supervising Administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

CUL 99I Culinary Arts Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

CUL 100.1 Meal Prep Like a Chef (0.25 Units)
Ever wonder how a restaurant with a large menu can serve up your dish only 10 to 15 minutes after ordering? Meal prepping is the answer! Learn the tips and techniques that professional chefs use to prep once, so that cooking meals all week is quick and easy. This class is tasting only. Students will watch a professional chef cook and demonstrate techniques, while also having the opportunity to ask questions at critical steps in the process. Students will taste all recipes and leave class feeling inspired to meal prep for themselves at home.
Grading Type: Letter, Pass/No-Pass

CUL 100.2 Eat More Vegetables! (0.25 Units)
Need fresh ideas for how to fit more vegetables into your diet? Start feeling energized by eating more plants and good health will be the result. This class is tasting only. Students will watch a professional chef cook and demonstrate techniques, while also having the opportunity to ask questions at critical steps in the process. Students will taste each recipe and leave class feeling inspired to eat more vegetables!
Grading Type: Letter, Pass/No-Pass

CUL 100.3 Cooking for 1 or 2 (0.25 Units)
Are you tired of eating the same leftovers for days on end so that you don't waste food? Are most recipes too big for your small household? Discover how to cook delicious meals for 1 or 2. In this class, students will learn how to reduce recipes to save money and eliminate food waste, while gaining the benefit of a satisfying home-cooked meal perfectly sized for 1 or 2. This class is tasting only. Students will watch a professional chef cook and demonstrate techniques, while also having the opportunity to ask questions at critical steps in the process. Students will taste all recipes and leave with culinary confidence to modify any recipe to suit their needs.
Grading Type: Letter, Pass/No-Pass

CUL 100.4 Mastering Pastry Crusts (0.25 Units)
Do you want to make flakey, tender pastry crusts which are as light as air? Learn precise methods that will help you to master these technique. Adapt your recipe to accommodate either sweet or savory baking. This class is tasting only. Students will watch a professional pastry chef demonstrate techniques and bake, while also having the opportunity to ask questions at critical steps in the process. Students will taste all sweet and savory pastry recipes made in class and leave inspired to try making pastry crusts of their own.
Grading Type: Letter, Pass/No-Pass

CUL 100.5 Mastering Cake (0.25 Units)
According to Chef Julia Child, "A party without a cake is just a meeting." Learn the tips and tricks pastry chefs use to create flavorful, tender cakes of all shapes and sizes. Don't hold meetings, instead have parties, with cake! This class is tasting only. Students will watch a professional pastry chef demonstrate techniques and bake, while also having the opportunity to ask questions at critical steps in the process. Students will taste cakes and leave class with baking inspiration.
Grading Type: Letter, Pass/No-Pass

CUL 100.6 Mastering Artisan Bread (0.25 Units)
Learn to achieve artisan style bread at home. Bread bakers speak their own language. Discover how to create your own recipes using a baker's percentage formula. This class is tasting only. Students will watch a professional pastry chef demonstrate techniques and bake, while also having the opportunity to ask questions at critical steps in the process. Students will taste all breads made in class and leave with the inspiration to produce their own artisan loaves at home.
Grading Type: Letter, Pass/No-Pass

CUL 230 Introduction to Culinary Arts (1.5 Units)
The health and safety of both customers and employees is a core principle for foodservice professionals. This course will include instruction on sanitation regulations and personal hygiene, contamination sources, microorganisms and conditions for growth, proper food handling techniques and storage, basic concepts of workplace safety. The importance of workplace professionalism in creating a positive kitchen culture will be emphasized. Students will also discover the evolution of culinary arts and the historical role cultures and cuisines have played in society. Upon successful completion of the course, students will be prepared to take a nationally recognized food safety exam. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Grading Type: Letter

CUL 251A Culinary Fundamentals 1 (3 Units)
Students will practice knife skills, cooking techniques, salad preparation, food preservation, and making dessert sauces as they relate to the pantry station for the commercial kitchen. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in CUL 230 OR Course Completion or Concurrent Enrollment in CUL 250 (OR DIET 50) and CUL 250.1
Grading Type: Letter

CUL 251B Culinary Fundamentals 2 (3 Units)
In this course students will learn concepts and preparation of stocks, mother sauces, and identification and fabrication of meats, poultry, fish, and shellfish. Building on introductory knife skills and cooking techniques, students will practice methods as they apply to cooking vegetables, legumes, grains, and pasta. Emphasis on preparing mise-en-place for stations in a professional restaurant environment, where speed, timing, safety, and teamwork are necessary. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement in AB705 mandates..
Prerequisites/Corequisites: Course Completion of CUL 230 and CUL 251A and Course Completion or Current Enrollment in CUL 254 OR Course Completion of CUL 250 and CUL 250.1 and CUL 251A and Course Completion or Current Enrollment in CUL 254.
Grading Type: Letter

CUL 251C Culinary Fundamentals 3 (1.5 Units)
In this course, students will learn concepts and preparation of sauces and the identification and fabrication of meats, poultry, fish and shellfish. Instruction also includes charcuterie and preservation techniques and continued development of the student's knife skills. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) appropriate placement in AB705 mandates..
Prerequisites/Corequisites: Course Completion of CUL 230 and CUL 251B and Course Completion or Current Enrollment in CUL 254 OR Course Completion of CUL 250 and CUL 250.1 and CUL 251B and Course Completion or Current Enrollment in CUL 254
Grading Type: Letter

CUL 253.8 Restaurant Kitchen (4 Units)
In this course, students will build on introductory cooking skills while rotating through stations of a student-run restaurant, developing organizational skills. Emphasis in this course is on speed, timing, and teamwork in a full-service restaurant operation. Rec Prep: Eligibility for ENGL 100 or EMLS 100 (formerly ESL 100) or appropriate placement in AB705 mandates..
Prerequisites/Corequisites: Course Completion of CUL 251B (or CUL 253.6 or CUL 253A) and Course Completion or Concurrent Enrollment in CUL 251C (or CUL 253.7)
Grading Type: Letter

CUL 254 Introduction to Baking and Pastry (3.5 Units)
Baking is both a science and an art. In this hands-on course, students will learn the function of various ingredients, including how different methods and techniques impact resulting baked goods. This course is an introduction to the baking and pastry skills utilized in a commercial kitchen. Students will learn proper measuring, basic formulas, and conversion principles. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement in AB705 mandates..
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 and CUL 251A; OR Course Completion of CUL 250 and CUL 250.1 and Course Completion or Current Enrollment in CUL 251A; OR Course Completion of DIET 50 and CUL 250.1 and CUL 252.3
Grading Type: Letter

CUL 254.4 Purchasing and Bakeshop Management (1 Units)
This course introduces students to basic bakeshop management procedures including labor, equipment, purchasing, receiving, and inventory control. Students will use the Culinary Cafe retail bakery model for menu planning and cost analysis. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of CUL 254
Grading Type: Letter

CUL 254.5 Professional Plate Presentation (1 Units)
This course introduces students to the fundamental skills, concepts, and techniques of professional plate presentation. Students will use and maintain common tools and equipment, while demonstrating related techniques for restaurant and food photography plating. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of CUL 250 and CUL 250.1 and CUL 254; OR Course Completion of CUL 230 AND CUL 254
Grading Type: Letter

CUL 255 Production Baking (4 Units)
In this course, students will rotate through the stations of a student-run bakery, learning to make yeast breads, laminated doughs, pies, tarts, galettes, and other baked goods in production-sized quantities for retail sale. Through hands-on experience, students will learn to precisely bake and problem-solve recipes and baked goods for sale in a retail bakery. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of CUL 254
Grading Type: Letter

CUL 255.1 Specialty Production Baking (4 Units)
In this course, students will rotate through the stations of a student-run bakery, developing skills in breakfast pastries, cookies, candies, confections, cakes, yeast breads and other production baked goods for sale in a retail bakery. Through hands-on experience, students will learn to precisely bake, and problem-solve recipes and confections for sale in a retail bakery.
Prerequisites/Corequisites: Course Completion of CUL 254
Grading Type: Letter

CUL 255.2 Careers in the Food and Beverage Industry (1 Units)
This course provides the job seeker with tools for the development of a career plan in the culinary arts and related fields. Students will research professional roles, and identify essential skills, responsibilities, and opportunities in the various fields of food and beverage production, service, operations, and management. Rec Prep: Course Completion of CUL 251A or CUL 254 or CUL 258.1; eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Prerequisites/Corequisites: Course Completion of CUL 250 AND CUL 250.1; OR Course Completion of CUL 230; OR Course Completion of DIET 50
Grading Type: Letter

CUL 258.1 Restaurant Dining Room Service (3 Units)
In this course, students will develop restaurant dining room service skills, including table service, large party service, wine pairing and service, and Point of Sale (POS) system within a working, full-service restaurant environment. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.. Limits on Enrollment: Age 18 or older
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in CUL 230 OR CUL 250 OR DIET 50; and Minimum Age 18 or older
Grading Type: Letter

CUL 258.2 Restaurant Wine Service (1 Units)
In this course, students will develop skills to sell and serve wine in a restaurant setting through wine evaluating and class lecture. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement in AB705 mandates.. Limits on Enrollment: Age 18 or older
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in CUL 230 OR CUL 250 OR DIET 50; AND Minimum Age 18 or older
Grading Type: Letter

CUL 258.3 Wine and Food Pairing (1.5 Units)
Food and wine pairing is all the rage, particularly here in California. From professional chefs to local foodies, the art and science of food and wine pairing is getting more interesting every day! Through lecture, structured tastings, and food preparation, students refine their sensory skills to identify complementary ingredients in foods and wines. This course also includes weekly in-class food and wine tastings. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement in AB705 mandates.. Limits on Enrollment: Must be age 18 or older.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

CUL 258.4 Introduction to Front House Operations (1 Units)
Students will be introduced to the management of front house operations in a variety of environments, including hotels, restaurants, wineries, and catering businesses. Introduces principles of revenue, profit and cost controls, employee recruiting and training, menu planning and food production, and sales and marketing. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Grading Type: Letter

CUL 258.6 Restaurant Operations (3 Units)
Students will study theories and practices for restaurant management, including restaurant finances, cost control, menu development, marketing, human resources and legal issues, guest service essentials, hiring, training, supervision, and alcoholic beverage service and standards. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Grading Type: Letter

CUL 260.7 Bakeshop Operations (1 Units)
An introduction to basic bakeshop operations, including retail bakeries, commercial bakeries, cottage food, pop-up bakeries, restaurant, and hotel bakeshop operations. Students will learn management principles as they relate to marketing strategies, product development, purchasing, equipment, and costing goods. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Prerequisites/Corequisites: Course Completion of CUL 254
Grading Type: Letter

CUL 261.1 Wedding Cake Baking and Assembly (1 Units)
This course introduces students to the theory and techniques of both historical and modern wedding cake baking and assembly. In this hands-on class, students will learn baking and decorating techniques as applied to seasonal and regional wedding cake work.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 261.2 Fancy Cakes: Chocolate, Marzipan, & Rolled Fondant (0.5 Units)
This course introduces students to the theory and techniques of both historical and modern fancy cakes. In this hands-on class, students will learn baking and chocolate, marzipan, and rolled fondant decorating techniques as applied to regional, national, and international fancy cake work.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 261.3 Holiday Cake Baking (0.5 Units)
This course introduces students to the theory and techniques of both historical and modern holiday cakes. In this hands-on class, students will learn baking and decorating techniques as applied to regional, national, and international holiday cakes.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 262.1 Artisan Bread Baking (0.5 Units)
Come and explore the ancient art of breadmaking! Artisan Bread is bread that has been made using the traditional, age-old methods of our ancestors. Students will learn how to utilize these time-tested techniques in the modern kitchen by preparing a variety of breads using bread-baking techniques from around the world.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 262.2 Sourdough Breads (0.5 Units)
Sourdough bread baking is truly the oldest form of leavened bread. Its origins date back thousands of years, and it's a process which continues to captivate home bakers and professionals alike. Students will learn the secrets of this ancient baking technique by preparing a variety of sourdough breads from various regions of the world.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 262.3 Pizza and Focaccia (0.5 Units)
No matter who you are or where you are from, flatbreads are a universal culinary joy. In this hands-on course, students will learn about two of Italy's most recognized flatbreads: pizza and focaccia. Each can truly represent place and season and are the perfect vehicle for self-expression in the kitchen. Students will prepare a variety of regional pizzas and focaccias using seasonal ingredients.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 262.4 Whole Grain Breads (0.5 Units)
There was never a better time for whole grain baking! Thanks to local farmers and millers, we have access to many varieties of tasty and nutritious whole grain flours. From heirloom and ancient grains to tried-and-true whole wheat, there is so much to explore. Students will learn how to incorporate whole grains into sweet and savory bread baking by preparing a variety of recipes using various whole grain flours.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 262.5 Enriched Yeast Breads (0.5 Units)
Have you always wondered what makes breads like brioche and challah so spectacular? In this hands-on class, students will examine the importance and function of each ingredient group as it relates to the creation of enriched yeasted breads, as well as the baking techniques these special breads require. Students will prepare a variety of enriched yeast breads from various regions of the world.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 262.6 Holiday Yeast Breads (0.5 Units)
Nothing feels as celebratory as a holiday yeast bread. These traditional baked homages to the turning of the seasons are steeped in history and lore and are a wonderful way to explore the culinary traditions of the world. Come along for some holiday fun! In this hands-on class, students will practice traditional and modern baking techniques as they prepare a variety of breads from various regions of the world.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 262.7 Brunch Pastries (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern brunch pastries. In this hands-on class, students will learn baking and laminating skills, as applied to regional, national and international brunch pastries.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 263.1 Seasonal Pie Baking (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern seasonal pies. In this hands-on class, students will learn techniques as applied to regional, national and international seasonal pie baking.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 263.2 Holiday Pie Baking (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern holiday pies. In this hands-on class, students will learn techniques as applied to regional, national and international holiday pie baking.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 263.3 Seasonal Tart Baking (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern seasonal tarts. In this hands-on class, students will learn techniques as applied to regional, national and international seasonal tart baking.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 263.4 Holiday Tart Baking (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern holiday tarts. In this hands-on class, students will learn techniques as applied to regional, national and international holiday tart baking.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 263.5 Holiday Cookie Baking (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern holiday cookies. In this hands-on class, students will learn techniques as applied to regional, national and international holiday cookie baking.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 264.1 Artisan Chocolates (0.5 Units)
This course introduces students to the theory and techniques of both historical and modern artisan chocolates. In this hands-on class, students will learn chocolate making and tempering techniques as applied to regional, national and international chocolate work.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 264.2 Holiday Candy Making (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern holiday candies. In this hands-on class, students will learn techniques as applied to regional, national and international holiday candy making.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 264.3 Ice Cream, Sorbet and Frozen Desserts (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern frozen desserts. In this hands-on class, students will learn techniques as applied to regional, national and international frozen dessert work.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 264.4 Gluten-Free Baking (0.5 Units)
This course introduces students to the theory and techniques of both traditional and modern gluten-free baking. In this hands-on class, students will learn techniques as applied to regional, national, and international gluten-free baked goods. Please Note: The class is not taught in a gluten-free facility.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 271.1 Professional Techniques: Grilling (0.5 Units)
Learn how to grill like a pro! In this course, students will explore cultural foods, historical food trends, and customs as related to gourmet, regional, national, and global grilling techniques. Students will prepare a variety of dishes using various grilling techniques.
Grading Type: Letter, Pass/No-Pass

CUL 271.2 Professional Techniques: Smoking Food (0.5 Units)
The primal art of smoking foods over a live fire is ancient and has evolved over time. It can be utilized today anywhere from a backyard barbeque to the delicate smoke infusions done in an upscale restaurant. It's a science and a craft which never goes out of style. In this course, students will explore cultural foods, historical food trends, and customs as related to gourmet, regional, national, and global smoking techniques. Students will prepare a variety of dishes using various smoking techniques.
Grading Type: Letter, Pass/No-Pass

CUL 271.3 Sonoma Wine Country Cuisine (0.5 Units)
In this course students will explore wine country cooking techniques through lecture, demonstrations, and recipe preparations. Students will discuss historical and cultural aspects of wine country cuisine as applied to gourmet, regional, national, and global cuisines.
Grading Type: Letter, Pass/No-Pass

CUL 271.4 Cooking From Your Community Supported Agriculture (CSA) Box (0.5 Units)
In this course students will explore Community Supported Agriculture (CSA) cooking techniques through lecture, demonstrations and recipe preparations. Students will discuss historical and cultural aspects of gourmet, regional, national, and global cuisines as applied to their CSA box.
Grading Type: Letter, Pass/No-Pass

CUL 276 Special Topics in Global Cuisine (1 Units)
In this course students will explore cultural foods, historical food trends, and customs as related to gourmet, regional, national, and global cuisines. Students will prepare a variety of dishes common to a particular global cuisine.
Grading Type: Letter, Pass/No-Pass

CUL 276.1 French Cuisine: Provence (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of French regional cuisine. In this course, students will learn to cook a variety of dishes common to regions of Provence.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 276.2 French Cuisine: Paris (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of French regional cuisine. In this course, students will learn to cook a variety of dishes common to regions of Paris.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 276.3 French Cuisine: Burgundy (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of French regional cuisine. In this course, students will learn to cook a variety of dishes common to regions of Burgundy.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 276.4 American Cuisine: Cajun & Creole (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Cajun and Creole. In this course, students will learn to cook a variety of Cajun and Creole dishes.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 276.5 American Cuisine: Southern (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of American Southern cuisine. In this course, students will learn to cook a variety of dishes common to American Southern cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 276.6 American Cuisine: Hawaiian (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Hawaiian cuisine. In this course, students will learn to cook a variety of dishes common to Hawaiian cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 276.7 Japanese Cuisine: Tokyo (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Japanese regional cuisine. In this course, students will learn to cook a variety of dishes common toTokyo.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 276.8 Japanese Cuisine: Osaka (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Japan. In this course, students will learn to cook a variety of dishes common to Osaka.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 276.9 Japanese Cuisine: Street Food (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Japanese street foods. In this course, students will learn to cook a variety of dishes common to Japanese regional cuisine, specifically focusing on street foods.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.1 Swiss Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Swiss cuisine. In this course, students will learn to cook a variety of dishes common to Swiss cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.2 China: Pekinese Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Pekinese cuisine. In this course, students will learn to cook a variety of dishes common to Pekinese cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.3 China: Shanghainese Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Shanghainese cuisine. In this course, students will learn to cook a variety of dishes common to Shanghainese cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.4 China: Hunanese Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Hunanese cuisine. In this course, students will learn to cook a variety of dishes common to Hunanese cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.5 China: Cantonese Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Cantonese cuisine. In this course, students will learn to cook a variety of dishes common to Cantonese cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.6 China: Hong Kongese Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Hong Kongese cuisine. In this course, students will learn to cook a variety of dishes common to Hong Kongese cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.7 China: Mongolian Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Mongolian cuisine. In this course, students will learn to cook a variety of dishes common to Mongolian cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.8 Filipino Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Filipino cuisine. In this course, students will learn to cook a variety of dishes common to Filipino cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 277.9 Vietnamese Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Vietnamese cuisine. In this course, students will learn to cook a variety of dishes common to Vietnamese cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 278.1 Indian Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Indian cuisine. In this course, students will learn to cook a variety of dishes common to regions of India.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 278.2 Malaysian Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Malaysian cuisine. In this course, students will learn to cook a variety of dishes common to Malaysian cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 278.3 Mediterranean Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Mediterranean cuisine. In this course, students will learn to cook a variety of dishes common to regions of the Mediterranean.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 278.4 Greek Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Greek cuisine. In this course, students will learn to cook a variety of dishes common to Greek cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 278.5 Spanish Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Spanish cuisine. In this course, students will learn to cook a variety of dishes common to regions of Spain.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 278.6 Mexican Cuisine: Oaxacan (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Mexico. In this course, students will learn to cook a variety of dishes common to regions of Oaxaca.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 278.7 Mexican Cuisine: Yucatan (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Mexico. In this course, students will learn to cook a variety of dishes common to regions of the Yucatan peninsula.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 (OR DIET 50)
Grading Type: Letter, Pass/No-Pass

CUL 278.8 Mexican Cuisine: Veracruz (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Mexico. In this course, students will learn to cook a variety of dishes common to regions of Veracruz.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 278.9 Puerto Rican Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Puerto Rican cuisine. In this course, students will learn to cook a variety of dishes common to Puerto Rican cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 279.1 Cuban Cuisine (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Cuban cuisine. In this course, students will learn to cook a variety of dishes common to Cuban cuisine.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 279.2 Italian Cuisine: Northwestern (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Northwestern Italian cuisine. In this course, students will learn to cook a variety of dishes common to regions of Valle D'Aosta, Piedmont, and Liguria.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 279.3 Italian Cuisine: Northern (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Northern Italian cuisine. In this course, students will learn to cook a variety of dishes common to regions of Lombardi.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 279.4 Italian Cuisine: Northeastern (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Northeastern Italian cuisines. In this course, students will learn to cook a variety of dishes common to regions of Veneto, Trentino-Alto, and Friuli-Venezia-Giulia.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 279.5 Italian Cuisine: Southern (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Southern Italian cuisines. In this course, students will learn to cook a variety of dishes common to regions of Campania, Puglia, Calabria, Sicily, and Sardinia.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 279.6 Italian Cuisine: Eastern Central (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Eastern Central Italian cuisines. In this course, students will learn to cook a variety of dishes common to regions of Emilia-Romagna and Marche.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 279.7 Italian Cuisine: Western Central (1 Units)
Expand your culinary skills while also exploring the rich history, culture, and traditional foods of Western Central Italian cuisine. In this course, students will learn to cook a variety of dishes common to regions of Tuscany, Umbria, and Lazio.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 280.1 Plant-Based Cuisine (0.5 Units)
Are you looking for inspiration to eat more vegetables? Plant-based cuisine is not new; however, its popularity is on the rise for those seeking to eat less meat and more vegetables. In this course, students will explore plant-based cultural foods, historical food trends, and customs as related to gourmet, regional, national, and global plant-based dishes. Students will prepare a variety of common plant-based dishes.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 280.2 Root-to-Stem Vegetarian Cooking (0.5 Units)
Many fruits and vegetables are not just edible, but also delicious and good for you, from the root to the stem! Waste less in the kitchen by learning how to cook all parts of fruits and vegetables. In this course, students will explore cultural foods, historical food trends, and customs as related to gourmet, regional, national, and global vegetarian root-to-stem cooking.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 280.3 Vegetarian Salads (0.5 Units)
No longer just a side dish, salads are worthy of center stage, where they can be the star of the meal. Come along as we discover vegetable-forward ingredients, techniques, and inspiration for creating show-stopping salads. In this course, students will explore cultural foods, historical food trends, and customs as related to gourmet, regional, national, and global salads. Students will prepare a variety of vegetarian salads.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 280.4 Braising Vegetables (0.5 Units)
Learn to achieve deep, rich flavors by way of braising various types of seasonal vegetables. This classic technique when applied to vegetables can produce results in a relatively short amount of time. In this course, students will explore cultural foods, historical food trends, and customs as related to gourmet, regional, national, and global plant-based dishes. Students will prepare a variety of braised vegetarian dishes.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 280.5 Vegan Baking (0.5 Units)
Do you want to create delicious vegan desserts? Learn the science behind ingredient substitutions and how to transform traditional sweets into vegan desserts. In this course, students will explore cultural foods, historical food trends, and customs as related to gourmet, regional, national, and global vegan baking. Students will prepare a variety of vegan baked goods.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

CUL 286.6 Vegetable Fermentation (0.5 Units)
Vegetable fermentation is an age-old practice in food preservation, making foods safe to eat in the absence of refrigeration. The added benefits include healthy probiotics and incredible flavor. In this course, students will explore cultural foods historical food trends, and customs as related to gourmet, regional, national, and global plant-based fermented dishes. Students will prepare a variety of vegetarian fermented foods.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CUL 230 OR CUL 250 OR DIET 50
Grading Type: Letter, Pass/No-Pass

Dance (DANC)

DANC 2 Survey of Dance History (3 Units)
Students will learn the significance of dance as ritual and social tradition, and the development of ballet, modern, hip hop and cultural dance forms throughout the world. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 (formerly ESL 10) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 3,Cal-GETC Area 3A

DANC 3.1 Choreography I (1.5 Units)
This course focuses on the fundamentals of the choreographic process and devices, emphasizing basic principles of space, time, weight, and form. Students will learn how to choreograph dance studies applying a variety of choreographic approaches and techniques. Rec Prep: Course Completion of DANC 16.1 and DANC 10.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 7 The History of Jazz Dance (3 Units)
In this course, jazz dance, an American dance form that originated in the African Diaspora, will be explored from its roots in African dance and the adaptations and evolution of African dances during slavery; to social dances such as the Lindy Hop; through its development in the dance studio, on stage and screen. The origins of tap dance & hip-hop will also be touched on as branches of the same roots as those of jazz dance. You will become familiar with the major contributors to jazz dance including those over-looked in the past. We will examine issues of cultural appropriation and racism in the context of the history of jazz dance in America. Finally, we will look at the status of jazz dance in the 21st century and consider perspectives on jazz dance in the context of the current socio-political climate. Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

DANC 10.1 Introduction to Dance Movement (1.5 Units)
Introductory dance class designed for the student with no prior dance experience. Basic dance skills, techniques, and general dance vocabulary common to all genres of dance will be covered.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 10.2 Introduction to Dance Genres: Ballet, Modern, Jazz (1.5 Units)
Introductory dance class designed for the student with no dance training in the primary theatrical dance forms: ballet, modern, jazz. Will familiarize students with the unique attributes of each of these genre of dance classes and include units on each of the dance forms which will introduce the student to the basic skills, techniques, and vocabulary of these genres. Recommended prior to the beginning level in any of these dance forms.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 11.1 Ballet I (1.5 Units)
This course for beginning (Level I) dancers covers beginning ballet principles and skills in the areas of technique, movement, vocabulary, style, and musicality. The course also includes basic ballet aesthetics and performance skills. Rec Prep: Course Completion of DANCE 10.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 11.2 Ballet II (1.5 Units)
This course, for advanced-beginning (Level II) dancers with prior ballet experience, covers advanced-beginning (Level II) ballet principles and skills in the areas of technique, movement, vocabulary, style, and musicality. The course also includes ballet aesthetics and performance skills as they pertain to advanced-beginning (Level II) ballet. Rec Prep: Course Completion of DANC 11.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 11.3 Ballet III (1.5 Units)
This course, for low-intermediate (Level III) dancers with prior ballet experience, covers low-intermediate (Level III) ballet principles and skills in the areas of technique, movement, vocabulary, style, and musicality. The course also includes ballet aesthetics and emphasizes performance skills as they pertain to low-intermediate (Level III) ballet. Rec Prep: Course Completion of DANC 11.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 11.4 Ballet IV (1.5 Units)
This course, for intermediate (Level IV) dancers with prior ballet experience, covers intermediate (Level IV) ballet principles and skills in the areas of technique, movement, vocabulary, style, and musicality. The course also includes ballet aesthetics and emphasizes performance skills as they pertain to intermediate (Level IV) ballet. Rec Prep: Course Completion of DANC 11.3. Limits on Enrollment: By audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 11.5 Ballet V (1.5 Units)
This course, for high-intermediate (Level V) dancers with prior ballet experience, covers high-intermediate (Level V) ballet principles and skills in the areas of technique, movement, vocabulary, style, and musicality. The course also includes ballet aesthetics and emphasizes performance skills as they pertain to high-intermediate (Level V) ballet. Rec Prep: Course Completion of DANC 11.4 (or DANCE 11.4). Limits on Enrollment: By audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 11.6 Ballet VI (1.5 Units)
This course, for advanced (Level VI) dancers with prior ballet experience, covers advanced (Level VI) ballet principles and skills in the areas of technique, movement, vocabulary, style, and musicality. The course also includes ballet aesthetics and emphasizes performance skills as they pertain to advanced (Level VI) ballet. Rec Prep: Course Completion of DANC 11.5. Limits on Enrollment: By audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 13.1 Jazz Dance I (1.5 Units)
This course for beginning (Level I) dancers covers fundamentals of jazz dance in the areas of technique, movement vocabulary, terminology, rhythm and musicality. The course also covers beginning (Level I) jazz dance choreography and performance skills. Rec Prep: Course Completion of DANCE 10.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 13.2 Jazz Dance II (1.5 Units)
This course, for advanced-beginning (Level II) dancers with prior jazz dance experience, focuses on advanced-beginning (Level II) jazz dance training in the areas of technique, movement vocabulary, terminology, rhythm and musicality. The course also includes advanced-beginning (Level II) jazz dance choreography and performance skills. Rec Prep: Course Completion of DANCE 13.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 13.3 Jazz Dance III (1.5 Units)
This course for low- intermediate (Level III) dancers focuses on low-intermediate (Level III) jazz dance training in the areas of technique, movement vocabulary, terminology, rhythm and musicality. The course also includes experiences in jazz dance choreography and emphasizes performance skills. May include a performance in a dance concert. Rec Prep: Course Completion of DANCE 13.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 13.4 Jazz Dance IV (1.5 Units)
This course for intermediate (Level IV) dancers focuses on intermediate jazz dance training in the areas of technique, movement vocabulary, terminology, rhythm and musicality. The course also emphasizes jazz dance choreography and emphasizes performance skills. May include a performance in a dance concert. Rec Prep: Course Completion of DANCE 13.3.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 13.5 Jazz Dance V (1.5 Units)
This course for high-intermediate (Level V) dancers focuses on high-intermediate (Level V) jazz dance training in the areas of technique, movement vocabulary, terminology, rhythm and musicality. The course also emphasizes jazz dance choreography and emphasizes performance skills. May include a performance in a dance concert. Rec Prep: Course Completion of DANCE 13.4.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 13.6 Jazz Dance VI (1.5 Units)
This course for advanced (Level VI) dancers focuses on advanced (Level VI) jazz dance training in the areas of technique, movement vocabulary, terminology, rhythm and musicality. The course also emphasizes jazz dance choreography and emphasizes performance skills. May include a performance in a dance concert. Rec Prep: Course Completion of DANCE 13.5.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 14.1 Contemporary Dance I (1.5 Units)
Contemporary dance draws from ballet modern and jazz dance techniques. This beginning (Level I) course follows a dance class format including center warm-ups, progressions, and combinations. The choreography will focus on clearly displayed emotional moods and fast-moving choreographic strategies, with an emphasis on innovation and stylized movement. Rec Prep: Course Completion of DANCE 10.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 14.2 Contemporary Dance II (1.5 Units)
Contemporary dance draws from ballet, modern and jazz dance techniques. This Level II course follows a dance class format including center warm-ups, progressions, and combinations. The choreography focuses on interpretation of the mood of the music or the lyrics of the songs. Rec Prep: Course Completion of DANCE 14.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 14.3 Contemporary Dance III (1.5 Units)
Contemporary dance draws from ballet, modern, jazz, and contemporary techniques. This level III course follows a dance class format including center warm-ups, progressions, and combinations. The choreography will focus on clearly displayed emotional moods and fast-moving choreographic strategies, with an emphasis on innovation and stylized movement. Rec Prep: Course Completion of DANCE 11.2 and DANCE 13.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 14.4 Contemporary Dance IV (1.5 Units)
Contemporary dance draws from ballet, modern, jazz, and contemporary techniques. This Level IV course follows a dance class format including center warm-ups, progressions, and combinations. The choreography will focus on clearly displayed emotional moods and fast-moving choreographic strategies, with an emphasis on innovation and stylized movement. Rec Prep: Course Completion of DANC 14.3 (or DANCE 14.3)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 15.1 Contempoary Jazz Dance I (1-1.5 Units)
This course is for beginning (Level I) dancers with limited dance training. Students will focus on learning beginning (Level I) contemporary jazz dance movement drawn from current sources and inspirations. Students will have opportunities to explore self-expression and creativity. The course also offers a safe space to begin exploring performance in a dance class context. Contemporary jazz dance follows in the footsteps of 20th century jazz dance but focuses on jazz dance trends of the 21st century.
Grading Type: Letter, Pass/No-Pass

DANC 15.2 Contemporary Jazz Dance II (1-1.5 Units)
This course is for advanced-beginning (Level II) dancers with some dance training. Students will focus on learning advanced-beginning (Level II) contemporary jazz dance movement drawn from current sources and inspirations. Students will have the opportunity to delve into self-expression and creativity. The course also offers a safe space to explore dance performance in a dance class context. Contemporary jazz dance follows in the footsteps of 20th century jazz dance but focuses on jazz dance trends of the 21st century.
Grading Type: Letter, Pass/No-Pass

DANC 15.3 Contemporary Jazz Dance III (1-1.5 Units)
This course is for low-intermediate (Level III) dancers with prior dance training. Students will focus on learning low-intermediate (Level III) contemporary jazz dance movement drawn from current sources and inspirations. Students will have opportunities to delve into self-expression and creativity. The course also offers a safe space to expand dance performance skills in a dance class context. Contemporary jazz dance follows in the footsteps of 20th century jazz dance but focuses on jazz dance trends of the 21st century.
Grading Type: Letter, Pass/No-Pass

DANC 15.4 Contemporary Jazz Dance IV (1-1.5 Units)
This course is for intermediate (Level IV) dancers. Students will focus on learning intermediate (Level IV) contemporary jazz dance movement exploring contemporary movement vocabulary drawn from various current jazz dance sources such as studios, stage, and screen; as well as through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course offers a safe space to expand comfort level with dance performance in the context of a dance class. Contemporary jazz dance follows in the footsteps of 20th century jazz dance but focuses on the teaching and movement trends of dance artists of the 21st century.
Grading Type: Letter, Pass/No-Pass

DANC 15.5 Contemporary Jazz Dance V (1-1.5 Units)
This course is for high-intermediate (Level V) dancers. Students will focus on learning high-intermediate (Level V) contemporary jazz dance movement exploring contemporary movement vocabulary drawn from various current jazz dance sources such as studios, stage, and screen; as well as through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course offers a supportive setting to refine dance performance skills in the context of a dance class. Contemporary jazz dance follows in the footsteps of 20th century jazz dance but focuses on the teaching and movement trends of dance artists of the 21st century.
Grading Type: Letter, Pass/No-Pass

DANC 15.6 Contemporary Jazz Dance VI (1-1.5 Units)
This course is for advanced (Level VI) dancers. Students will focus on learning advanced (Level VI) contemporary jazz dance movement, exploring contemporary movement vocabulary drawn from various current jazz dance sources such as studios, stage, and screen; as well as through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course offers a supportive setting to refine dance performance skills in the context of a dance class. Contemporary jazz dance follows in the footsteps of 20th century jazz dance but focuses on the teaching and movement trends of dance artists of the 21st century. Limits on Enrollment: By Audition on the first day of class.
Grading Type: Letter, Pass/No-Pass

DANC 16.1 Modern Dance I (1.5 Units)
This course is for beginning (Level I) dancers with limited modern dance training. Emphasis is on beginning (Level I) modern dance skills in the areas of technique and movement vocabulary, as well as the use of space, time, and energy. This course will include basic modern dance improvisation, choreography, and performance skills. Rec Prep: Course Completion of DANCE 10.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 16.2 Modern Dance II (1.5 Units)
This course is for advanced- beginning (Level II) dancers with some prior modern dance training, and emphasizes advanced-beginning (Level II) modern dance skills in the areas of technique and movement vocabulary, and the use of space, time, and energy. This course also includes advanced-beginning (Level II) modern dance improvisation, choreography, and performance skills. Rec Prep: Course Completion of DANCE 16.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 16.3 Modern Dance III (1.5 Units)
This course is for low- intermediate (Level III) level dancers and covers low- intermediate (Level III) modern dance skills in the areas of technique and movement vocabulary. Also includes the use of space, time, and energy. This course also includes improvisation, experiences in choreography, and a focus on performance skills. Rec Prep: Course Completion of DANC 16.2 (or DANCE 16.2)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 16.4 Modern Dance IV (1.5 Units)
This course for intermediate (Level IV) dancers covers intermediate (Level IV) modern dance skills in the areas of technique and movement vocabulary as well as the use of space, time, and energy. The course also includes improvisation, experiences in choreography, and a focus on refinement of performance skills. Rec Prep: Course Completion of DANCE 16.3.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 16.5 Modern Dance V (1.5 Units)
This course for high- intermediate (Level V) dancers covers high-intermediate (Level V) modern dance skills in the areas of technique and movement vocabulary as well as the use of space, time, and energy. The course also includes improvisation, experiences in choreography, and a focus on refinement of performance skills. Rec Prep: Course Completion of DANC 16.4 (or DANCE 16.4)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 16.6 Modern Dance VI (1.5 Units)
This course for advanced (Level VI) dancers covers advanced (Level VI) modern dance skills in the areas of technique and movement vocabulary as well as the use of space, time, and energy. The course also includes improvisation, experiences in choreography, and a focus on refinement of performance skills. Rec Prep: Course Completion of DANCE 16.5.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 17.1 Contemporary Modern Dance I (1-1.5 Units)
This course is for beginning (Level I) dancers with limited dance training. Students will focus on learning beginning (Level I) contemporary modern dance movement which blends classic modern dance techniques with current movement trends, exploring contemporary movement vocabulary drawn both from the world of dance as an art form, and through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course also offers a safe space to begin to explore dance performance in the context of a dance class. Contemporary modern dance follows in the footsteps of modern dance, but focuses on the teaching and movement trends of dance artists of the 21st century. This course is designed for beginning (Level I) students with limited dance training. In this course, students will focus on learning beginning (Level I) contemporary modern dance movement which blends classic modern dance techniques with current movement trends, exploring contemporary movement vocabulary drawn both from the world of dance as an art form and through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course also offers a safe space to begin to explore dance performance in the context of a dance class. Contemporary modern dance follows in the footsteps of modern dance but focuses on the teaching and movement trends of dance artists of the 21st century.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 17.2 Contemporary Modern Dance II (1-1.5 Units)
This course is for advanced beginning (Level II) dancers with some dance training. Students will focus on learning advanced- beginning (Level II) contemporary modern dance movement which blends classic modern dance techniques with current movement trends, exploring contemporary movement vocabulary drawn both from the world of dance as an art form, and through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course also offers a safe space to begin to explore dance performance in the context of a dance class. Contemporary modern dance follows in the footsteps of modern dance but focuses on the teaching and movement trends of dance artists of the 21st century.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 17.3 Contemporary Modern Dance III (1-1.5 Units)
This course is for low-intermediate (Level III) dancers with prior dance training. Students will focus on learning low-intermediate (Level III) contemporary modern dance movement which blends classic modern dance techniques with current movement trends, exploring contemporary movement vocabulary drawn both from the world of dance as an art form and through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course offers a safe space to expand comfort level with dance performance in the context of a dance class. Contemporary modern dance follows in the footsteps of modern dance but focuses on the teaching and movement trends of dance artists of the 21st century.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 17.4 Contemporary Modern Dance IV (1-1.5 Units)
This course is for intermediate (Level IV) dancers. Students will focus on learning intermediate (Level IV) contemporary modern dance movement which blends classic modern dance techniques with current movement trends, exploring contemporary movement vocabulary drawn both from the world of dance as an art form and through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course offers a supportive setting to expand comfort level with dance performance in the context of a dance class. Contemporary modern dance follows in the footsteps of modern dance but focuses on the teaching and movement trends of dance artists of the 21st century.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 17.5 Contemporary Modern Dance V (1-1.5 Units)
This course is for high-intermediate (Level V) dancers. Students will focus on learning high-intermediate (Level V) contemporary modern dance movement which blends classic modern dance techniques with current movement trends, exploring contemporary movement vocabulary drawn both from the world of dance as an art form and through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course offers a supportive setting to refine dance performance skills in the context of a dance class. Contemporary modern dance follows in the footsteps of modern dance but focuses on the teaching and movement trends of dance artists of the 21st century.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 17.6 Contemporary Modern Dance VI (1-1.5 Units)
This course is for advanced (Level VI) dancers. Students will focus on learning advanced (Level VI) contemporary modern dance movement which blends classic modern dance techniques with current movement trends, exploring contemporary movement vocabulary drawn both from the world of dance as an art form and through the movement inventions of the instructor. Students will be able to explore self-expression and creativity. The course offers a supportive setting for perfecting dance performance skills in the context of a dance class. Contemporary modern dance follows in the footsteps of modern dance but focuses on the teaching and movement trends of dance artists of the 21st century. Limits on Enrollment: By Audition first day of class. Students enrolling in this class must be at a true advanced level to be admitted to the class to maintain meaningful standards of excellence. This will be determined through an audition class.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 18.1 Rhythm Tap Dance I (1.5 Units)
In this course, students will develop the fundamental skills for beginning level tap dance. Students will also learn and refine the underlying foundations of tap dance techniques and terminology and continue to develop a greater understanding of both classic and rhythm tap dance. While learning to achieve greater clarity of sound and development of enhanced dynamics, tone and shading, students will gain a greater awareness of the range of steps and sounds within tap dance technique. Students will develop ankle and knee flexibility, improved overall bodily coordination, and a greater understanding of musicality in relationship to the rhythms. Students are encouraged to explore their unique individuality through tap combinations while gaining confidence and attempting new challenges. Students will be required to wear tap shoes for this class.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 21.1 Hip Hop/Funk I (1.5 Units)
This course will introduce students to the fundamentals of Level I hip hop/funk dance style derived from the current dance vernacular and culture. Students will experience warm-up exercises, isolations, floor stretches, and strengthening specific to the hip hop/funk style of dance. This course will also include locomotor movements (across-the-floor) and center combinations. Rec Prep: Course Completion of DANC 10.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 21.2 Hip Hop/Funk II (1.5 Units)
This Level II advanced-beginning hip hop/funk course will allow students to continue the study of hip hop/funk dance as it applies to technique, movement vocabulary, terminology, rhythm, and musicality. This class incorporates styles and choreography used in the current dance vernacular and culture. Rec Prep: Course Completion of DANC 21.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 21.3 Hip Hop/Funk III (1.5 Units)
This low-intermediate (Level III) hip hop/ funk course will allow students to continue the study of hip hop/funk dance as it applies to technique, movement vocabulary, terminology, rhythm and musicality. This class incorporates styles and choreography used in the current dance vernacular and culture. Rec Prep: Course Completion of DANCE 21.2.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 21.4 Hip Hop/Funk IV (1.5 Units)
This intermediate (Level IV) hip hop/ funk course will allow students to continue the study of hip hop/funk dance as it applies to technique, movement vocabulary, terminology, rhythm and musicality. This class incorporates styles and choreography used in the current dance vernacular and culture. Rec Prep: Course Completion of DANCE 21.3.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 21.5 Hip Hop/Funk V (1.5 Units)
This high- intermediate (Level V) hip hop/funk course will allow students to continue the study of hip hop/funk dance as it applies to technique, movement vocabulary, terminology, rhythm and musicality. This class incorporates styles and choreography used in the current dance vernacular and culture. Rec Prep: Course Completion of DANC 21.4.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 21.6 Hip Hop/Funk VI (1.5 Units)
This advanced (Level VI) hip hop/funk course will allow students to continue the study of hip hop/funk dance as it applies to technique, movement vocabulary, terminology, rhythm and musicality. This class incorporates styles and choreography used in the current dance vernacular and culture. Rec Prep: Course Completion of DANC 21.5 (or DANCE 21.5)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 27 Dance Production: Experience (2 Units)
In this course, students will rehearse and prepare to perform faculty and student-choreographed dances for the annual dance performance.The focus is on developing technical and performance skills, as well as a professional work ethic in relation to rehearsing and practicing choreography. The course will serve as an introduction to future choreographic opportunities within the dance program. Rec Prep: Course Completion of DANC 11.3, DANC 13.3, DANC 16.3 OR DANC 21.3. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Concurrent Enrollment in THAR 11.8
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

DANC 28 Choreography for Performance (2 Units)
Intermediate to advanced dance students will develop choreography from initial concept through completion and performance. Students will conduct rehearsals, receive feedback on choreography, show their work, and prepare to present dances in the annual dance production. Students in this course may also perform in dances choreographed by fellow students. Rec Prep: Course Completion of DANC 3.1 and DANC 27. Limits on Enrollment: By audition
Prerequisites/Corequisites: Concurrent Enrollment in THAR 11.8
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

DANC 29 Dance Performance and Touring Company (2 Units)
For the intermediate through advanced dance student, the Dance Performance and Touring Company class provides an experience of dancing and touring with a pre-professional dance company. Collaboratively the faculty and class/company members create a short theme-based performance, designed to increase audience appreciation of dance as an art form. Students develop their own choreography and perform both student and faculty pieces in a variety of venues focusing on performance in K-12 settings and community dance performances. Rec Prep: Course Completion of DANC 11.3, DANC 13.3, DANC 16.3 OR DANC 21.3. For choreographers completion of DANC 3.1. Limits on Enrollment: By Audition Only
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

DANC 32 Dance Repertory (1.5 Units)
In this class, intermediate through advanced dancers will rehearse and practice one or more faculty-choreographed concert pieces. Each piece may be a work from the repertory of the choreographer or may be a new work set on the dancers. Limits on Enrollment: By audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

DANC 35 Dance Improvisation Techniques (1.5 Units)
In Dance Improvisation, students will focus on exploration of the aesthetic dance elements of space, time and energy and is designed to train the mind and body to respond and explore individual movement experiences. Dance improvisation can be structured in solo, duet and group improvisations, and is for dancers of all levels of technique and movement interests. Rec Prep: Course Completion of DANC 10.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

DANC 37.1 Ballroom Dance I (1 Units)
This course establishes a solid foundation in ballroom dance technique and basic skills. Dances may include: foxtrot, waltz, swing, and cha cha, with possible introduction to other ballroom dances and/or Latin dances. Rec Prep: Course Completion of DANC 10.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 37.2 Ballroom Dance II (1 Units)
Students will continue to learn the fundamentals of social ballroom dance. Students will demonstrate skills, technique, and step patterns of greater complexity in foxtrot, waltz, cha cha, and swing. Students will also be introduced to the basic skills and patterns of rumba, samba, tango, and Viennese waltz. Rec Prep: Course Completion of DANC 37.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

DANC 47 Dances of the African Diaspora I (1-2 Units)
This course will introduce students to African Diaspora dance, specifically the history, technique and performance of various styles of African Dance from the Caribbean, Haiti, Senegal, Guinea, Nigera and the Congo regions of Africa. This course will emphasize musicality and the introduction of percussive rhythms as well as increase students' endurance, coordination, agility and flexibility.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

DANC 61.1 Dance Conditioning and Somatic Practices I (1.5 Units)
Students will learn various types of introductory level stretching, strengthening, and body alignment exercises for dance. This course combines techniques and skills from various body therapy programs (e.g., Feldenkrais, Laban Somatic Movement, floor Barre and Gyrokinesis) to enhance student's flexibility and strength.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

DANC 61.2 Dance Conditioning and Somatic Practices II (1.5 Units)
Students will learn various types of beginning-level stretching, strengthening, and body alignment exercises for dance. This course combines techniques and skills from various body therapy programs (e.g., Feldenkrais, Laban Somatic Movement, Floor Barre and Gyrokinesis) to enhance student's flexibility and strength.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

DANC 61.3 Dance Conditioning and Somatic Practices III (1.5 Units)
Students will learn various types of intermediate-level stretching, strengthening, and body alignment exercises for dance. This course combines techniques and skills from various body therapy programs (e.g., Feldenkrais, Laban Somatic Movement, floor Barre and Gyrokinesis) to enhance student's flexibility and strength.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

DANC 61.4 Dance Conditioning and Somatic Practices IV (1.5 Units)
Students will learn various types of advanced-level stretching, strengthening, and body alignment exercises for dance. This course combines techniques and skills from various body therapy programs (e.g., Feldenkrais, Laban Somatic Movement, floor Barre and Gyrokinesis) to enhance student's flexibility and strength.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

DANC 70.3 Commercial Dance III (1-1.5 Units)
This course for low intermediate (Level III) dancers with prior dance experience prepares students for performance opportunities in commercial industries. Students will not only focus on dance and performance skills but will learn about the field of commercial dance and the necessary steps for navigating a career in this exciting field. Because of the requirements of commercial dance, students will experience rigorous dance training and exposure to the dance techniques most often demanded of commercial dancers. Students will become comfortable with performance through mock auditions and class performances. This class may also include performance on stage in the fall or spring SRJC dance performances.
Grading Type: Letter, Pass/No-Pass

DANC 70.4 Commercial Dance IV (1-1.5 Units)
This course for intermediate (Level IV) dancers prepares students for dance performance opportunities in commercial industries. Students will not only focus on dance and performance skills but will learn about the field of commercial dance and the necessary steps for navigating a career in this exciting field. Because of the requirements of commercial dance, students will experience rigorous dance training and exposure to the dance techniques most often demanded of commercial dancers. Students will become comfortable with performance through mock auditions and class performances. This class may also include performance on stage in the fall or spring SRJC dance performances.
Grading Type: Letter, Pass/No-Pass

DANC 70.5 Commercial Dance V (1-1.5 Units)
This course for high-intermediate (Level V) dancers prepares students for dance performance opportunities in commercial industries. Students will not only focus on dance and performance skills but will learn about the field of commercial dance and the necessary steps for navigating a career in this exciting field. Because of the requirements of commercial dance, students will experience rigorous dance training and exposure to the dance techniques most often demanded of commercial dancers. Students will become comfortable with performance through mock auditions and class performances. This class may also include performance on stage in the fall or spring SRJC dance performances.
Grading Type: Letter, Pass/No-Pass

DANC 70.6 Commercial Dance VI (1-1.5 Units)
This course for advanced (Level VI) dancers prepares students for dance performance opportunities in commercial industries. Students will not only focus on dance and performance skills but will learn about the field of commercial dance and the necessary steps for navigating a career in this exciting field. Because of the requirements of commercial dance, students will experience rigorous dance training and exposure to the dance techniques most often demanded of commercial dancers. Students will become comfortable with performance through mock auditions and class performances. This class may also include performance on stage in the fall or spring SRJC dance performances.
Limits on Enrollment: By Audition on the first day of class.
Grading Type: Letter, Pass/No-Pass

DANC 88.1 Latin Dance I (1 Units)
This course establishes basic knowledge of Latin dances. Practice of basic Salsa, Bachata, Meringue, Cha Cha and other Latin dance techniques will be covered. Rec Prep: Course Completion of DANC 10.1.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

DANC 88.2 Latin Dance II (1 Units)
This course establishes an intermediate level knowledge of Latin dances. Practice of intermediate level Salsa, Bachata, Meringue, Cha Cha and other Latin dance techniques will be covered. Rec Prep: Course Completion of DANC 88.1 (or DANCE 88.1)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

DANC 88.3 Latin Dance III (1 Units)
This course establishes a high-intermediate level knowledge of Latin Dances. Practice of high-intermediate level Salsa, Bachata, Meringue, Cha Cha and other Latin dance techniques will be covered. Rec Prep: Course Completion of DANC 88.2 (or DANCE 88.2)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

DANC 88.4 Latin Dance IV (1 Units)
This course establishes an advanced level knowledge of Latin Dances. Practice of advanced level Salsa, Bachata, Meringue, Cha Cha and other Latin dance techniques will be covered. Rec Prep: Course Completion of DANC 88.3 (or DANCE 88.3)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

DANC 150 Teaching Dance Techniques (1 Units)
The course will cover the fundamental philosophies, techniques and methods for developing progressions and programs in dance instruction. Special attention will on how to successfully assist an instructor in a dance technique class in order to optimize learning experiences. Student will assist faculty in a classroom environment for a semester. Limits on Enrollment: Students enrolling in this class must have prior approval from the supervising faculty member.
Grading Type: Letter, Pass/No-Pass

Dental Edu (Assist & Hygiene) (DE)

DE 51 Occupational Health and Safety (2 Units)
In this course, students will learn the science and principles of current infection control protocol, dental office safety and accident prevention. The focus is on the Centers for Disease Control (CDC) Guidelines for Infection Control in Dentistry and the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard. Limits on Enrollment: Acceptance to the Allied Dental Programs
Prerequisites/Corequisites: Concurrent Enrollment in DE 55A
Transferability: Transferable to CSU
Grading Type: Letter

DE 55A Introduction to Dental Radiology (2 Units)
In this course students will learn basic principles of radiology including history, physics, characteristics, biological effects, equipment, film and digital imaging, infection control, and safety. The techniques of film or sensor placement and exposure, mounting films, and evaluation of images will be covered. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion or Current Enrollment in DE 51
Transferability: Transferable to CSU
Grading Type: Letter

DE 55B Dental Radiology (1 Units)
Students will focuses on the advanced imaging technique of extraoral panoramic dental radiology. The main emphasis is on developing proficiency in evaluating and interpreting intraoral and extraoral (panoramic) images, which entails recognizing anatomical landmarks, dental anatomy, restorations, and disease processes. Students must first demonstrate competency using manikins before providing services for patients. Students will gain the necessary skills and knowledge to confidently join the workforce in a clinical setting.
Prerequisites/Corequisites: Course Completion of DE 55A
Transferability: Transferable to CSU
Grading Type: Letter

Dental Education - Assisting (DA)

DA 50 Introduction to the Dental Assisting Profession (2 Units)
In this course, students will be introduced to the Santa Rosa Junior College (SRJC) Dental Assisting Program as an incoming student and what it takes for student success. Students will be given a preview of the history of dental assisting, the characteristics of dental professionals, dental organizations, educational and licensing requirements, dental specialties, professional and legal responsibilities, ethics, and the role of the dental auxiliary. Rec Prep: Eligibility for ENGL 1A or equivalent. Limits on Enrollment: Acceptance to the Dental Assisting Program
Prerequisites/Corequisites: Concurrent Enrollment in DE 51
Transferability: Transferable to CSU
Grading Type: Letter

DA 60 Applied Dental Science (3 Units)
The student will learn dental terminology, extraoral/intraoral anatomy and landmarks, physiology, tooth morphology, oral embryology, dental histology, dentitions, tooth numbering systems, classification of occlusion and caries, and the documentation of oral conditions. The content of this course will be taught through a combined lecture and laboratory experience. Limits on Enrollment: Acceptance into an Allied Dental Program
Prerequisites/Corequisites: Course Completion or Current Enrollment in DE 51
Transferability: Transferable to CSU
Grading Type: Letter

DA 62 Introduction to Dental Procedures (3 Units)
Students will learn the principles of chairside assisting. Emphasis is placed on chairside responsibilities, instrument and equipment identification, four-handed techniques, and sequences of general dentistry procedures. Additionally, students will learn topical anesthetic placement and the indications and contraindications of uses; identification, prevention, and management of common medical emergencies in dental settings. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion or Current Enrollment in DE 51
Transferability: Transferable to CSU
Grading Type: Letter

DA 63 Dental Specialties (3 Units)
In this course, students will learn the theory and practice of assisting and instrumentation in dental specialties. Course emphasizes utilization of assistants in orthodontics, periodontics, pediatrics, and oral maxillofacial surgery and introduces terminology and instruments specifically for each specialty. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion of DA 62
Transferability: Transferable to CSU
Grading Type: Letter

DA 64 Advanced Dental Assisting (2 Units)
In this course, students will learn theory and practice as they develop pre-clinical skills for tasks performed by a Registered Dental Assistant (RDA). Students will meet standards of competency related to these tasks. Manikins are used for most of instruction and student demonstration. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion of DA 62
Transferability: Transferable to CSU
Grading Type: Letter

DA 65 Dental Science (3 Units)
In this course, students will learn the etiology, recognition and prevention of dental disease. Course emphasizes pharmacology, oral pathology, periodontology, and community dental health. Students will gain knowledge in the science and manipulation of alginate, gypsum, fluoride, sealants and teeth whitening products. The didactic and clinical components meet the requirements for a California State approved course in both coronal polish and pit and fissure sealant certificates. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion of DA 60
Transferability: Transferable to CSU
Grading Type: Letter

DA 66.2 Clinical Seminar (1 Units)
Students will participate in weekly seminars with the instructor to discuss their placement at their clinical site and to evaluate and review both clinical experiences and the Registered Dental Assistant (RDA) examination application process. Limits on Enrollment: Acceptance to the Allied Dental Programs
Prerequisites/Corequisites: Course Completion of DA 62 and DE 55A; Concurrent Enrollment in DA 66.2L
Transferability: Transferable to CSU
Grading Type: Letter

DA 68 Clinical Practice and Seminar (6 Units)
Clinical practice to perform entry level clinical skills in general and specialty dental offices across Sonoma County, with a focus on chairside techniques and performing Registered Dental Assistant (RDA) tasks. Weekly seminars will discuss, evaluate, and review both clinical experiences and the RDA examination application process. Limits on Enrollment: Acceptance to the Allied Dental Programs
Prerequisites/Corequisites: Course Completion of DA 62 and DE 55A
Transferability: Transferable to CSU
Grading Type: Letter

Dental Education - Hygiene (DH)

DH 69 Medical Emergencies in Dental Practice (1 Units)
In this course, students will learn the basics of prevention and management of common medical emergencies that may occur within and surrounding the dental office. Students will discuss the legal considerations in assisting during emergencies, learn to recognize the clinical signs and symptoms of emergencies and procedures to prevent escalation of emergency situations, study the management of medical emergencies, and learn about drugs and equipment utilized in an emergency. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion or Current Enrollment in DH 71A and DE 51
Transferability: Transferable to CSU
Grading Type: Letter

DH 70 Dental Anatomy and Tooth Morphology (2.5 Units)
In this course the student will learn dental terminology, tooth morphology, tooth anomalies, structures of the oral cavity, classification of cavities, occlusion, and visual identification of individual teeth and their anatomic landmarks. Students will perform oral inspection, dental charting, and a proper recording of significant observations. Limits on Enrollment: Acceptance to the Allied Dental Programs
Prerequisites/Corequisites: Concurrent Enrollment in DH 71A
Transferability: Transferable to CSU
Grading Type: Letter

DH 71A Clinical Dental Hygiene Care and Theory 1 (5 Units)
In this course, the students will learn a broad theoretical basis to perform clinical aspects of dental hygiene practice in the evolving profession of dental hygiene and the dental hygiene process of care. Infection control protocols established by the California Board of Dental Examiners and the Centers for Disease Control and Prevention will be implemented. Limits on Enrollment: Acceptance into an Allied Dental Program
Prerequisites/Corequisites: Concurrent Enrollment in DH 70 AND Course Completion or Current Enrollment in DE 51 and DE 55A
Transferability: Transferable to CSU
Grading Type: Letter

DH 71B Clinical Dental Hygiene Care and Theory 2 (5 Units)
In this course, the students will learn the application of the dental hygiene process of care to promote oral health and wellness. The course includes laboratory and clinical experiences in patient assessments, problem identification (dental hygiene diagnosis), dental hygiene care planning, case presentation and implementation of dental hygiene care at the beginner level. Evaluation of dental hygiene care/oral health goals attainment is also emphasized as an essential component of the dental hygiene process.
Prerequisites/Corequisites: Course Completion of DH 71A; AND Concurrent Enrollment in DH 72 and DH 75 and DH 74 and DH 76; AND Course Completion or Concurrent Enrollment in DE 55B
Transferability: Transferable to CSU
Grading Type: Letter

DH 71C Clinical Dental Hygiene Care and Theory 3 (2 Units)
In this course, students will learn continued clinical application of the dental hygiene process for delivering patient-centered care initiated in the previous clinical course. Students will continue to develop skills by working with patients in the Santa Rosa Junior College Dental Hygiene clinic.
Prerequisites/Corequisites: Course Completion of DH 71B and Concurrent Enrollment in DH 78
Transferability: Transferable to CSU
Grading Type: Letter

DH 71D Clinical Dental Hygiene Care and Theory 4 (7 Units)
Students will demonstrate advanced instrumentation principles, gingival curettage, pain control, and radiographic interpretation for treatment planning. Self-assessment skills will continue to be developed by working with patients in the Santa Rosa Junior College Dental Hygiene Clinic. Students will achieve beginner level at the conclusion of this course.
Prerequisites/Corequisites: Course completion of DH 71C; AND Concurrent enrollment in DH 79 AND Concurrent enrollment in DH 80.
Transferability: Transferable to CSU
Grading Type: Letter

DH 71E Clinical Dental Hygiene Care and Theory 5 (7 Units)
A seminar and clinical course designed to continue to expand and develop dental hygiene skills in preventive and maintenance therapy. Students will become proficient in provision of dental hygiene services by working with patients in the Santa Rosa Junior College Dental Hygiene Clinic.
Prerequisites/Corequisites: Course Completion of DH 71D AND Concurrent Enrollment in DH 83 and DH 85
Transferability: Transferable to CSU
Grading Type: Letter

DH 72 Oral Health Education (2 Units)
Students will be introduced to the educational theory and practice of oral hygiene care. The primary focus will be on educational techniques to assist individuals and groups in making informed decisions with regard to oral health promotion and disease prevention. Personal mechanical removal of bacterial plaque through use of toothbrushes and oral physiotherapy aids is emphasized. Limits on Enrollment: Acceptance into the program
Prerequisites/Corequisites: Course Completion of DH 71A; AND Concurrent Enrollment in DH 71B
Transferability: Transferable to CSU
Grading Type: Letter

DH 74 Head and Neck Anatomy, Histology and Embryology (3 Units)
The students will study the anatomy of the head, neck and oral cavity, including anatomical nomenclature; they will develop an understanding of embryologic development and developmental defects with a focus on oral hard and soft tissues. This course will emphasize the structure and function of the oral cavity with a focus on normal anatomy and their structures, identification of landmarks, including musculature, skeletal system, nervous system and vasculature, related to the administration of local anesthesia. The course will also cover source and spread of dental infection in relation to the fascial spaces in the lymphatic system. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion of DH 70
Transferability: Transferable to CSU
Grading Type: Letter

DH 75 Pharmacology for the Dental Hygienist (2 Units)
Students will learn the general principles of applied pharmacology, including drug action, interaction, adverse reactions, and prescription writing. Drugs for management of medical diseases and conditions are examined as they affect the clinical practice of dental hygiene and how they may alter dental treatment. Limits on Enrollment: Acceptance into Allied Dental Program
Prerequisites/Corequisites: Course Completion of DH 71A
Transferability: Transferable to CSU
Grading Type: Letter

DH 76 Dental Materials for the Dental Hygienist (2 Units)
In this course, students will learn a base knowledge in the science of dental materials and the clinical application of dental materials and their relationship to the oral environment within the scope of current practice of dental hygiene. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion of DH 70 and DH 71A
Transferability: Transferable to CSU
Grading Type: Letter

DH 78 Local Anesthesia/Nitrous Oxide Conscious Sedation (1 Units)
Students will learn techniques of pain control by the administration of local anesthetics and nitrous oxide/conscious sedation. The course will cover treating the more complex clinical patient during advanced dental hygiene care procedures. Limits on Enrollment: Acceptance in program
Prerequisites/Corequisites: Course Completion of DH 74 and DH 75
Transferability: Transferable to CSU
Grading Type: Letter

DH 79 Periodontics for the Dental Hygienist (2 Units)
In this course the student will learn the structural, functional, and environmental factors associated with the normal and diseased periodontium. An emphasis will be placed on the etiology, pathology, and therapeutic and preventive treatment modalities of periodontal disease.
Prerequisites/Corequisites: Course Completion of DH 74 and Concurrent Enrollment in DH 80 and DH 71D
Transferability: Transferable to CSU
Grading Type: Letter

DH 80 Oral Pathology for the Dental Hygienist (2 Units)
The students will study pathologies of the head, neck, and oral structures including developmental, genetic, systemic, bacterial, and viral diseases, along with neoplasms and temporomandibular disorders associated with oral conditions. Emphasis will be placed on recognizing deviations from normal, formulating and documenting a differential diagnosis. The students will gain knowledge to facilitate education, prevention, early detection, and referral of lesions of the head and neck region. Limits on Enrollment: Acceptance to the Allied Dental Programs.\ Students are accepted into a Dental Program through the application process and as a cohort and take courses in sequential order.
Prerequisites/Corequisites: Course Completion of DH 74 and Concurrent Enrollment in DH 79
Transferability: Transferable to CSU
Grading Type: Letter

DH 81 Community Dental Health (2 Units)
Students will learn the principles of public health through classroom and field experience and participate in a community service learning experience.This course is designed to provide an insight into the opportunities for dental hygienists to work in community settings and public health. Limits on Enrollment: Acceptance into the program
Prerequisites/Corequisites: Course Completion of DH 72
Transferability: Transferable to CSU
Grading Type: Letter

DH 83 Ethics, Jurisprudence & Practice Mgmt for Dental Hygienist (2 Units)
In this course, students will become proficient in the study of jurisprudence, ethics, and practice management as related to dental hygiene care. Students will develop a personal philosophy related to professional conduct, continuous quality improvement, self-assessment, and life-long learning.
Prerequisites/Corequisites: Concurrent Enrollment in DH 71E (or DH 84)
Transferability: Transferable to CSU
Grading Type: Letter

DH 85 Advanced Periodontal Dental Hygiene Care (2 Units)
In this course, the student will learn the advanced principles of periodontology for the dental hygienist, including the role of the dental hygienist in identifying appropriate surgical modalities for treatment of periodontal diseases and providing post surgical specialized periodontal maintenance care.
Prerequisites/Corequisites: Course Completion of DH 79 and Concurrent Enrollment in DH 71E
Transferability: Transferable to CSU
Grading Type: Letter

DH 86 Integration of Dental Hygiene and Dentistry (2 Units)
Students will be provided an overview of the various specialties of dentistry, to facilitate collaboration with dental and medical healthcare providers. Students will utilize resources for referrals, understand the legalities of the professional practice of dental hygiene and integrate all of these concepts into comprehensive patient care. Limits on Enrollment: Acceptance to Allied Dental Program
Prerequisites/Corequisites: Course Completion of DH 76
Transferability: Transferable to CSU
Grading Type: Letter

Dietetic Technology (DIET)

DIET 50 Sanitation and Safety (2 Units)
Basic principles of sanitation and safety and the applications of these principles to a food service operation. Emphasis on the supervisor's responsibility to maintain a sanitary and safe work environment. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter

DIET 52 Management Training Techniques (3 Units)
Students will prepare for leadership and supervisorial responsibilities with emphasis on managing a food service operation, including interviewing, hiring, training, scheduling, and evaluating employees; using foodservice performance metrics to manage an operating budget; and preparing operation for review by regulatory inspectors. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter

DIET 55 Food Production Management (2 Units)
Students will learn about the fundamentals of food service management in the healthcare setting (hospitals, intermediate and long term care). Will provide students with training in menu development and recipe standardization; food selection, purchasing, storage, preparation, and service; cleaning and waste disposal; equipment selection and maintenance; evaluating quality, efficiency, and safety of food service system; kitchen design; cost and inventory control; emergency plans; and complying with applicable federal, state, and local regulations.
Transferability: Transferable to CSU
Grading Type: Letter

DIET 70 Introduction to Nutrition, Dietetics and Food Service (1 Units)
Professional roles, skills, responsibilities and opportunities in the fields of nutrition, dietetics and food service management. Introduction to the history of the profession, related government agencies, scientific literature and resources, and professional code of ethics. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter

DIET 107 Dietetic Technician 1: Lecture (1 Units)
Application of nutrition and dietetics concepts to development of entry-level skills and competencies for the Dietetic Technician, Registered (DTR), in inpatient food and nutrition settings, including both acute care and long-term care, as required by the Accreditation Council for Education in Nutrition and Dietetics (ACEND).
Prerequisites/Corequisites: Course Completion of DIET 70 (OR FDNT 70), DIET 50, DIET 176, DIET 191, PHYZ 58, DIET 176L; AND Concurrent Enrollment in DIET 107L
Grading Type: Letter

DIET 107L Dietetic Technician 1: Supervised Field Experience (4 Units)
The course includes supervised field experience (SFE) where students perform entry-level skills and competencies for the Dietetic Technician, Registered (DTR) in inpatient food and nutrition settings, including both acute care and long-term care. Limits on Enrollment: Students must have the following immunizations: MMR, Varicella-Zoster, Tetanus or TDAP, PPD (2 tests completed, one week apart), Rubella, and Hepatitis B (students must have completed the first two doses prior to starting clinical), and flu shot. Students must pass a background clearance.
Prerequisites/Corequisites: Course Completion of DIET 70 (OR FDNT 70), DIET 50, DIET 176, DIET 176L, DIET 191, and PHYZ 58. Concurrent enrollment in DIET 107
Grading Type: Letter

DIET 108 Dietetic Technician 2: Lecture (1 Units)
Application of nutrition and dietetics concepts to development of entry-level skills and competencies for the Dietetic Technician, Registered (DTR), in community nutrition settings, as required by the Accreditation Council for Education in Nutrition and Dietetics (ACEND).
Prerequisites/Corequisites: Course Completion of DIET 70 (OR FDNT 70), DIET 50, DIET 176, DIET 176L, DIET 191; AND Concurrent Enrollment in DIET 108L.
Grading Type: Letter

DIET 108L Dietetic Technician 2: Supervised Field Experience (4 Units)
The course includes supervised field experience (SFE) where students perform entry-level skills and competencies for the Dietetic Technician, Registered (DTR) in community nutrition settings. Limits on Enrollment: Students must pass a background clearance.
Prerequisites/Corequisites: Course Completion of DIET 70 (OR FDNT 70), DIET 50, DIET 176, DIET 176L, and DIET 191. Concurrent enrollment in DIET 108.
Grading Type: Letter

DIET 176 Applied Nutrition Therapy (3 Units)
Entry-level skills for Dietetic Technician, Registered, and Certified Dietary Manager working with nutrition screening, assessment, development of nutrition care plans and health-promoting client education and counseling. Application of these skills to provide meals to patients with a variety of medical conditions and gain knowledge of kitchen operations in a long term care facility. Includes clinical supervised field experience component in lab portion of the class.
Prerequisites/Corequisites: Course Completion of FDNT 10 and Concurrent Enrollment in DIET 176L
Grading Type: Letter

DIET 176L Applied Nutrition Therapy Lab (1 Units)
Students perform entry-level skills for Dietetic Technician, Registered (DTR) and Certified Dietary Manager (CDM) in a clinical setting under the supervision of a Registered Dietitian, Certified Dietary Manager or Dietetic Technician, Registered. Limits on Enrollment: Students must have the following immunizations: MMR, Varicella-Zoster, Tetanus or TDAP, PPD (2 tests completed, one week apart), Rubella, and Hepatitis B (students must have competed the first two doses prior to starting clinical), and flu shot. Students must pass a background clearance.
Prerequisites/Corequisites: Course Completion of FDNT 10 and Concurrent Enrollment in DIET 176
Grading Type: Letter

Disability Resources Departmnt (DRD)

DRD 313 Success Strategies for Promoting Mental Health (1 Units)
This course is designed to promote the academic success of students with mental health conditions. Students will gain a basic understanding of common factors that contribute to mental health conditions, as well as strategies to improve emotional regulation, stress management, and self-advocacy.
Grading Type: Letter, Pass/No-Pass

DRD 352 Stress Management for Academic Success (1 Units)
This course will explore principles and techniques of stress management. It also includes topics specific to disability management.
Grading Type: Letter, Pass/No-Pass

DRD 363 Introduction to Career Development (3 Units)
In this course, students will address career planning and job search techniques, with an emphasis on career interests and values, labor market trends, job seeking and interview skills, and disability management in the work place.
Grading Type: Letter, Pass/No-Pass

DRD 368.1 College Success 1: Notetaking and Time Management (1.5 Units)
This course provides opportunities for students to explore and practice organization, time management, and note-taking skills. It also includes topics specific to the use of disability related services and campus resources.
Grading Type: Letter, Pass/No-Pass

DRD 368.2 College Success 2: Comprehension and Test Taking Strategies (1.5 Units)
This course provides opportunities for students to explore and practice concentration, memory, reading strategies, test preparation, and test-taking strategies. It also includes topics specific to disability related services and campus resources.
Grading Type: Letter, Pass/No-Pass

DRD 370A Introduction to College and Career Preparation 1 (1.5 Units)
This course addresses career preparation strategies and resources for students with disabilities. Students will identify opportunities for involvement in campus and community activities, and career technical education.
Grading Type: Letter, Pass/No-Pass

DRD 370B Introduction to College and Career Preparation 2 (1.5 Units)
Students with disabilities will develop a career goal and an academic plan. Students will learn about opportunities for involvement in campus activities and career education.
Prerequisites/Corequisites: Course Completion of DRD 370A (or DRD 370.1A)
Grading Type: Letter, Pass/No-Pass

DRD 370C Career Development and Work Experience 1 (1 Units)
Students with disabilities will identify appropriate volunteer and paid work experience opportunities in both on and off campus settings. Students will be supported in attending campus, community, and career education opportunities and activities.
Prerequisites/Corequisites: Course Completion of DRD 370B (or DRD 370.1B)
Grading Type: Letter, Pass/No-Pass

DRD 370D Career Development and Work Experience 2 (1 Units)
Students with disabilities will develop work experience and job search strategies. Students will be supported in participating in campus, community, and career education opportunities and activities.
Prerequisites/Corequisites: Course Completion of DRD 370C (or DRD 370.2A)
Grading Type: Letter, Pass/No-Pass

DRD 370E Transition to Employment 1 (1 Units)
Students with disabilities will develop a plan for on-the-job support and disability management in the workplace. Students will initiate the planning of a campus and/or community event or activity.
Prerequisites/Corequisites: Course Completion of DRD 370D (or DRD 370.2B)
Grading Type: Letter, Pass/No-Pass

DRD 370F Transition to Employment 2 (1 Units)
This course addresses students with disabilities transition to employment from college and the implementation of their plan for on-the-job support. Students will implement and host a campus or community event or activity.
Prerequisites/Corequisites: Course Completion of DRD 370E (or DRD 370.3A)
Grading Type: Letter, Pass/No-Pass

DRD 390.2 Communication Skills (1.5 Units)
This course will provide students with an overview of the communicative process and strategies for effective communication in daily life, especially focusing on school and workplace environments, as they relate to individuals with disabilities. Students will identify and apply strategies that address the functional limitations of their disability.
Grading Type: Letter, Pass/No-Pass

DRD 390.3 Success at Work (2 Units)
Students will learn about the skills and knowledge an effective employee possesses. Course content includes information specific to the needs of an individual with a disability in the workplace. It is recommended that students who enroll in this course be currently employed or have recent work history. Limits on Enrollment: Students must be enrolled in the College to Career Program
Grading Type: Letter, Pass/No-Pass

DRD 391 College Resources and Strategies (3 Units)
Students will learn about college resources, community resources, and strategies that contribute to the academic success of students with disabilities. This course also addresses how students can safely and effectively navaigate the college campus and resources. Limits on Enrollment: Students must be enrolled in the College to Career Program
Grading Type: Letter, Pass/No-Pass

DRD 700 Learning Strategies
Through this course, students will receive specialized instruction and/or support to maximize their college success.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

DRD 705 Coping Strategies for Hearing Loss
This course provides education and support for adults with hearing loss. Students will learn about hearing technology (cochlear implants and hearing aids), community resources, and overcoming communication challenges.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

DRD 761 Job Search Strategies
In this course, students will determine employment readiness and explore application of job search strategies.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

DRD 784 Assistive Technology Training Center Lab
In this course, students will explore access technology in a lab or classroom setting. Students may work independently, participate in group and/or individual instruction, structured workshops, and other academic support activities after meeting with an Access Technology Specialist.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Disability Studies (DSS)

DSS 8 Disability, Culture, and Equity Lecture Series (3 Units)
Students will survey disability in the United States, focusing on its intersection with health needs and key social identities, including race, ethnicity, national origin, sex, gender, sexual orientation, and socioeconomic status. The course will explore how disability intersects with personal identity through the lens of intersectional theory. In addition, students will engage in cross-cultural analyses of how non-Western societies conceptualize and respond to disability. Designed for students of all backgrounds and abilities, this course emphasizes inclusion, equity, and the diverse experiences of disabled individuals across cultures and communities. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) or EMLS 10 (formerly ESL 10) or equivalent or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

DSS 11 Disability and Identity (3 Units)
Students will analyze representations of disability in popular culture and identify the impacts of perceptions and identity of people with disabilities through an intersectional lens. This course will explore the evolution of disability culture in the United States and examines disability and identity through social science perspectives, exploring the ways social structures, cultural norms, and institutional practices shape the experience of disability. This course is intended for all students, with or without disabilities, and will focus on Inclusion, Diversity, Equity, Antiracism, and Accessibility (IDEAA). Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

DSS 12 Universal Access: Disability,Technology and Society (3 Units)
In this course students will receive an overview of access technology and its potential for increasing the quality of life and independence of individuals with disabilities. Students will examine accessibility and technology in society through the lens of social and behavioral sciences, focusing on disability rights, social inclusion, and on the societal impacts of technology. A substantial portion of the course is devoted to studying physical, psychological, and psychosocial aspects of disability with a focus on inclusion and equity. Topics covered in class include: legislation, access technology, accessibility, and universal design. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

Earth and Space Science (ERTH)

ERTH 49 Independent Study in Earth Sciences (1-3 Units)
In this course, students will conduct independent study in an Earth Science, Environmental, or Astronomy related discipline by literature, field, or laboratory research. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.) Limits on Enrollment: Approval of the project proposal (including a written description of project objectives and methods) by sponsoring faculty, Department Chair, and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

ERTH 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ERTH 85.1 Pepperwood Natural History: Physical Environment (2 Units)
A survey of the natural history of the Pepperwood Preserve, emphasizing earth sciences and native cultures (offered Fall semester only). Laboratory hours are primarily in the field and will include hiking over uneven terrain. This course (along with BIO/ERTHS 85.2) is a component of the Pepperwood Preserve Steward training program. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ERTH 85.2 Pepperwood Natural History- Biotic Environment (2 Units)
A survey of the natural history of the Pepperwood Preserve, emphasizing the flora, fauna, and ecology (offered Spring semester only). Laboratory hours are primarily in the field and will include hiking over uneven terrain. This course (along with BIO/ERTHS 85.1) is a component of the Pepperwood Preserve Steward training program. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Economics (ECON)

ECON 12 Introduction to Economics and the Environment (3 Units)
An introduction to environmental studies emphasizing the interplay of ecology, economics, ethics and their translation and application to public policy. Students will explore topics including macroeconomic design characteristics and market failure as causes of environmental degradation; socio-ecological requirements for a sustainable society; and economic tools of analysis and incentive-based policy prescriptions for resolving problems of resource scarcity and environmental pollution. Includes perspectives from microeconomics, macroeconomics, and ecological economics. Also examines the role of policy in addressing environmental issues at the local, national, and global levels. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course completion of MATH 154, MATH 155, MATH 156, or higher, or STAT C1000, or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ECON 30 International Economics (3 Units)
This course examines international trade, international finance, and the global economy. It is suitable for students from all majors and backgrounds, and anyone interested in learning about these topics. Explores issues focusing on trade agreements, comparative advantage and the gains from trade, tariffs, quotas, the balance of payments, foreign exchange rates, and current international events. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Prerequisites/Corequisites: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra. Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ECON 2001 (ECON C2001) Principles of Microeconomics (3 Units)
An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ECON 201
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

ECON 2002 (ECON C2002) Principles of Macroeconomics (3 Units)
An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ECON 202
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

Education (EDU)

EDU 65 Secondary Curriculum Development for Diverse Classrooms (4 Units)
This course is designed to provide an overview of curriculum models, approaches, and standards related to secondary curriculum development. Students will learn how to plan learning experiences in all content areas; facilitate and guide classroom experiences based on developmentally appropriate principles; support physical, social, emotional, cognitive, and creative needs at the secondary level within a cultural context.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

EDU 66 Evaluation of Student Learning in a Diverse Classroom (4 Units)
This course will introduce students to the formal and informal assessment process and its application in classrooms at all levels. Students will develop an understanding of the legal requirements regarding equity in administering assessments to all students, especially those with special needs or English Language Learners. Students will also explore the importance of data collection and analysis to guide classroom instruction and measure student learning.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

EDU 67 Educational Technology for Classroom Teachers (4 Units)
This course will provide students with an overview of educational technologies to facilitate the teaching process. Students will develop digital literacy through discussion and use of a wide variety of technologies in the classroom, such as internet search, electronic communication and collaboration; classroom management with technology; awareness of legal and ethical issues in the digital world.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

EDU 68 Universal Design for Learning Classroom Practices (4 Units)
Students will explore best practices in supporting diverse learners (individuals who have disabilities, are second language learners, are gifted, etc.) in learning environments. Students will analyze Universal Design for Learning (UDL) strategies including flexible learning environments and materials to meet the diverse needs of all learners, maximizing learning opportunities and reducing barriers to learning.
Grading Type: Letter, Pass/No-Pass

EDU 331 Textbook Reading Strategies for Academic Success (2 Units)
This course includes hands-on learning for developing effective textbook reading strategies to improve academic success in college. Students will work on textbook reading strategies both independently and interactively in groups.
Grading Type: Letter, Pass/No-Pass

EDU 332 Test-Taking Strategies (1-2 Units)
This course will provide students with instruction and practice in test-taking strategies and test anxiety management.
Grading Type: Letter, Pass/No-Pass

EDU 373 Foundations of Mathematical Reasoning (3.5 Units)
This course is intended as an introduction for students in how to apply mathematical reasoning to their personal, professional, and academic lives. Students will learn how to do so via application problems that will require investigating new contexts, developing and proposing possible solutions, discussing and analyzing proposed plans, and making decisions. Topics include order of operations, real numbers, ratio and proportions, solving linear equations, dimensional analysis, geometric formulas, graphs/tables, and word problems. Regularly scheduled lab assignments reinforce or supplement lecture topics.
Grading Type: Letter, Pass/No-Pass

Education (EDUC)

EDUC 55 Introduction to Teaching (3.5 Units)
This course is designed to provide students interested in pursuing a teaching career in K-12 classrooms with theory and hands-on, practical experience working with children at local schools. Topics include teaching as a profession and career, contemporary teaching practices, Common Core content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school classrooms that represent California's diverse student population. The fieldwork must be conducted in cooperation with at least one instructor-approved, credentialed classroom teacher. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates. Limits on Enrollment: Students must show proof of current TB test and other required immunizations for field placement to enter off-site school classrooms.
Transferability: Transferable to CSU
Grading Type: Letter

Electronic Technology (ELEC)

ELEC 51A Fundamentals of Electricity (3 Units)
Basic physical principles as applied to direct and alternating current, basic circuits, units, components, and test equipment. Includes basic electronics. Electrical safety and energy conservation as applied to household and industrial appliances are evaluated. Rec Prep: Course Eligibility for MATH 150A
Transferability: Transferable to CSU
Grading Type: Letter

ELEC 54A Direct and Alternating Current Theory (3 Units)
In this course, students will learn about introduction to electronic components and underlying physics concepts, electrical units, direct current (DC), DC circuit analysis, batteries, magnetism, meters, alternating current (AC), capacitance, inductance, transformers, and AC circuit analysis. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

ELEC 54B Fundamentals of Electronic Devices (3 Units)
In this course students will be Introduced to electronic devices and concepts of solid-state rectifier and amplifier circuits.
Prerequisites/Corequisites: Course Completion of ELEC 54A
Transferability: Transferable to CSU
Grading Type: Letter

ELEC 54C Microcontrollers and Embedded Systems (3 Units)
In this course students will be introduced to computer programming concepts using microcontrollers to program computer circuits and hardware. Microcontrollers such as the Arduino and ESP32 will be used to interface with circuits constructed on prototyping boards. Course content includes both software and hardware troubleshooting.
Prerequisites/Corequisites: Course Completion of ELEC 54B
Transferability: Transferable to CSU
Grading Type: Letter

ELEC 64A Electronic Construction 1 (2 Units)
In this course, students will be introduced to techniques in layout, fabrication, assembly, wiring, testing, and identification of components for the electronic chassis and printed circuit fabrication. Students will be introduced to general safety, the use and care of hand tools, soldering techniques, and desoldering techniques.
Transferability: Transferable to CSU
Grading Type: Letter

ELEC 82 Mechatronics Fundamentals (3 Units)
In this course, students will analyze and control systems that combine mechanical elements with electronic components using computers and/or microcontrollers. Topics include sensors, actuators, servo and stepper motors, and motor controllers.
Prerequisites/Corequisites: Course Completion of ELEC 54C
Transferability: Transferable to CSU
Grading Type: Letter

ELEC 88 Computer Hardware (3 Units)
Students will learn the fundamentals of computer hardware repair and basic diagnostic tests. Emphasis will be on general computer operation and maintenance including a unit on laptops. Includes complete disassembly and reassembly of a personal computer (PC) by each student.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ELEC 98 Independent Study in Electronic Technology (1-3 Units)
In this course, students will independently study and research a chosen area of electronic or mechatronic technology. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

ELEC 153 Programmable Logic Controllers (3 Units)
Students will learn the fundamentals of Programmable Logic Controllers (PLC), including PLC types, input and output devices, and ladder logic programming.
Grading Type: Letter

ELEC 154 Rotating Machinery (3 Units)
Students will learn the fundamentals of three-phase and single-phase rotating machinery, including the operation and maintenance of Direct Current (DC) and Alternating Current (AC) motors, generators, and controllers.
Grading Type: Letter, Pass/No-Pass

ELEC 167 Radio Frequency and Wireless Communications (3 Units)
An introductory course in theory and practice of radio frequency and wireless communication technologies.
Prerequisites/Corequisites: Course Completion of ELEC 54B
Grading Type: Letter

ELEC 180 Lab VIEW for Technicians (3 Units)
Students will learn the fundamentals of computerized data acquisition and programmable instrument control using National Instruments LabVIEW graphical programming software, covering topics such as building Virtual Instruments (VIs), using control structures, working with analog and digital signal generators, performing signal processing and analysis, creating charts and graphs, and implementing instrument control and data acquisition, with an introduction to circuit simulation using National Instruments Multisim
Grading Type: Letter, Pass/No-Pass

ELEC 184 Industrial Robotics Fundamentals (3 Units)
In this course students will receive an introduction to the control of autonomous industrial robots. Students will learn the fundamentals of basic robotics and learn how to control the Fanuc LR-Mate 200id robotic arm using a teach pendant and 3D control software.
Grading Type: Letter

Emergency Medical Care (EMC)

EMC 100 Emergency Medical Responder (2 Units)
Manipulative and problem solving skills required for the individual interested in pursuing a career as an emergency medical responder to victims of illness or injury. Upon completion of course, student receives both CPR for Health Care Providers and Emergency Medical responder course completion certificate.
Grading Type: Letter

EMC 103 Emergency Medical Technician (7.5 Units)
Basic level course primarily designed to meet the California State Emergency Medical Services Authority (EMSA) requirements for the Emergency Medical Technician who functions on an operational ambulance. Students will apply principles of anatomy, physiology and communications as they relate to the assessment of the sick and injured and rendering pre-hospital basic life support. Students will apply the above knowledge to develop manipulative skills necessary to the practice of an Emergency Medical Technician. Students are required to attend the minimum number of hours required by California Title 22; this includes the required weekend activities. Students must be 18 years of age by first class meeting. Students must clear a criminal background check through Livescan (DOJ/FBI). Students must have current immunizations in accordance with state healthcare guidelines. Course required for California EMT certification. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.. Limits on Enrollment: Student must be at least 18 years of age and pass DOJ/FBI Live Scan background check. Student must have current certification in American Heart Association Health Care Provider CPR. Required immunizations in accordance with standard health care guidelines.
Prerequisites/Corequisites: Course Completion of EMC 100 and Minimum Age 18 or older
Grading Type: Letter

EMC 104.1 Emergency Medical Technician Refresher (0.5 Units)
Refresher course designed to update the knowledge and skills of the Emergency Medical Technician (EMT) in compliance with the requirements as outlined by the State of California Code of Regulations, Title 22 and the National Registry of EMT. Basic principles learned as an EMT are used in the exploration and solving of problems encountered in the pre-hospital setting.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMC 105 Emergency Medical Services Academy (8 Units)
An academy course intended for the student preparing for a career in the Emergency Medical Services field. Successful completion of this course will enable the students to build on their Emergency Medical Technician (EMT) training and become more qualified as an entry-level job candidates. Discipline, teamwork, and personal accountability are strongly emphasized. Academy uniform, gym apparel, and related safety equipment are required. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Must have current driver license.
Prerequisites/Corequisites: Course Completion or Current Enrollment in EMC 103
Grading Type: Letter

EMC 107A Advanced Emergency Medical Technician (2.5 Units)
Students who are certified Emergency Medical Technicians (EMTs) can upgrade their practice to Advanced EMT (AEMT) by completing this course, EMC 107AL, and EMC 107B. AEMTs perform limited advanced life support in the out-of-hospital setting according to the standards set forth by the California Health and Safety Code of Regulations Title 22, Division 9, Chapter 3. Limits on Enrollment: As mandated by California Code of Regulations, Title 22 Division 9, Chapter 3 student must: Possess High school diploma or general education equivalent;\ Possess current Emergency Medical Technician (EMT) certificate in the State of California; and Possess current Basic Life Support CPR for Health Care providers according to current American Heart Association guidelines.
Grading Type: Letter, Pass/No-Pass

EMC 107AL Advanced - Emergency Medical Technician Laboratory (1 Units)
Students who are certified Emergency Medical Technicians (EMTs) can upgrade their practice to Advanced EMT (AEMT) by completing this course, EMC 107A, and EMC107B. AEMTs are able to perform limited advanced life support in the out of hospital setting according to the standards set forth by the California Health and Safety Code of Regulations Title 22, Division 9, Chapter 3. This course covers the laboratory portion as required by state regulation. Limits on Enrollment: As mandated by California Code of Regulations, Title 22 Division 9, Chapter 3 student must: Possess High school diploma or general education equivalent;\ Possess current Emergency Medical Technician (EMT) certificate in the State of California; and\ Possess Current Basic Life Support CPR for Health Care providers according to current American Heart Association guidelines. Rec Prep: Concurrent Enrollment in EMC 107AL
Prerequisites/Corequisites: Concurrent Enrollment in EMC 107A
Grading Type: Pass/No-Pass

EMC 107B Advanced Emergency Medical Technician Clinical Practicum (1.5 Units)
Students who are certified Emergency Medical Technicians (EMT) can upgrade their practice to Advanced EMT (AEMT) by completing this course, EMC 107A, and EMC107AL. AEMTs are able to perform limited advanced life support in the out of hospital setting according to the standards set forth by the California Health and Safety Code of Regulations Title 22, Division 9, Chapter 3. This course covers the clinical and field hours as required by state regulation. Limits on Enrollment: As mandated by California Code of Regulations, Title 22 Division 9, Chapter 3 student must: Possess High school diploma or general education equivalent\ Possess current Emergency Medical Technician(EMT) certificate in the state of California\ Possess Current Basic Life Support CPR for Health Care providers according to current American Heart Association guidelines
Prerequisites/Corequisites: Course Completion of EMC 107A and Course Completion of EMC 107AL
Grading Type: Pass/No-Pass

EMC 108 Driving Skills for Emergency Vehicle Operators (0.25 Units)
Designed for emergency service personnel to improve the skill level of operators of vehicles. Hands on driving exercises to develop and improve skills in close quarters maneuvering, backing and routine driving activities. Limits on Enrollment: Must have current Class \"C\" California Driver License and Ambulance special certificate.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMC 109 Introduction to Paramedic (0.25 Units)
Course is designed to prepare the student with the basic knowledge and skills necessary to succeed in the Paramedic Academy. Rec Prep: Course Completion of EMC 114 (Basic Arrhythmia) and one of the following: ANAT 40; ANAT 58; PHYSIO 58.\ Course eligibility of CSKLS 372. Limits on Enrollment: State regulation requires EMT-1 certification and CPR for Health Care Providers for entrance into paramedic program.
Grading Type: Letter

EMC 111 Paramedic National Registry Exam Preparation and Testing (0.25 Units)
In this course, students will prepare to complete the National Registry of EMTs Paramedic Psychomotor Examination. Limits on Enrollment: Must meet the eligibility criteria set by the National Registry of Emergency Medical Technician approved paramedic course.
Grading Type: Pass/No-Pass

EMC 114 Basic Arrhythmia Recognition Course (2 Units)
Application of basic principles of cardiac anatomy and physiology to recognize basic heart arrhythmias. Designed for health and allied care personnel who assume responsibility for cardiac monitoring in the pre-hospital and hospital setting. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

EMC 115 12-Lead ECG Interpretation (1 Units)
Students will learn how to acquire and interpret multi-lead electrocardiograms (ECGs), which typically are obtained in field and hospital/clinic settings.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMC 116 Advanced Cardiac Life Support (0.5 Units)
Designed for nursing, medical, para-medical or allied health personnel whose daily occupation demands proficiency and certification in the knowledge of advance cardiac life support skills. Student is able to analyze life threatening cardiac emergencies and apply advanced principles of cardiac and respiratory anatomy and physiology. Curriculum adheres to the American Heart Association Advance Cardiac Life Support standards. Limits on Enrollment: Course adheres to the American Heart Association standards that participants are physicians, RN's or paramedics actively involved or required by law to be certified as advanced life support providers.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMC 116.1 Advanced Cardiac Life Support Re-Recognition (0.25 Units)
This course provides information and training to update advanced cardiac a nd life support skills as required by the American Heart Association. Limits on Enrollment: Current ACLS provider and CPR Health Care Provider
Grading Type: Only Pass/No-Pass Credit
Repeats available. Please reach out to your counselor for more information.

EMC 117 Basic Life Support (0.25 Units)
The students will be prepared for Basic Life Support for Healthcare Provider certification. Curriculum adheres to the American Heart Association Basic Life Support standards.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMC 118 Pediatric Advanced Life Support (0.25-0.5 Units)
This course is designed to prepare the health care professional to care for critically ill and injured children in the pre-hospital setting. Upon successful completion, the student will be awarded an American Heart Association (AHA) Pediatric Advanced Life Support (PALS) certification valid for two years. Limits on Enrollment: Per specification of American Heart Association, to receive pediatric advanced life support certification student must be licensed physician, nurse, paramedic, respiratory care practicioners, or certified Emergency Medical Technician.
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMC 119 Pediatric Advanced Life Support Re-Recognition (0.25 Units)
This course provides information and training to update pediatric advanced life support skills as required by the American Heart Association (AHA). Limits on Enrollment: Current Pediatric Advanced Life Support (PALS) provider
Grading Type: Only Pass/No-Pass Credit
Repeats available. Please reach out to your counselor for more information.

EMC 124 Paramedic: Advanced Life Support Update (0.25 Units)
A comprehensive class consisting of lecture, case-based scenario practice and skill stations that will enhance and expand the knowledge and skills of licensed paramedics in the area of infrequently practiced, practiced or expanded scope skills. This course is for licensed paramedics requiring accreditation for the Coastal Valley EMS region. Limits on Enrollment: Licensed paramedics
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMC 131A Paramedic Clinical Practicum 1 (2 Units)
Students will synthesize and apply principles of paramedic knowledge acquired in EMC 133A and EMC 133B in controlled clinical settings. This course meets standards mandated by the California Health and Safety Code, Title 22 and the National Emergency Services Education Standards (NEMSES) published by the United States Department of Transportation (USDOT). Limits on Enrollment: Enrollment in Paramedic Academy
Prerequisites/Corequisites: Course Completion of ANAT 40 or 1 or 58, EMC 109 and EMC 114
Grading Type: Letter

EMC 131B Paramedic Clinical Practicum 2 (2 Units)
Students will apply knowledge and skills acquired during the Paramedic Academy with patients in a clinical setting. This course meets the standards mandated by the California Health and Safety Code, Title 22 and the National Emergency Services Education Standards (NEMSES) published by the United States Department of Transportation (USDOT). Limits on Enrollment: Enrollment in Paramedic Academy
Prerequisites/Corequisites: Course Completion of EMC 131A
Grading Type: Letter

EMC 134 Paramedic Field Practicum (1-10 Units)
Students will synthesize and apply knowledge and skills acquired in paramedic clinical (EMC131A, 131B) and will work on an approved advanced life support unit. This is the final course in a series designed to give students the field experience required for licensure as a paramedic in California. This course meets standards mandated by the California Health and Safety Code Title 22 and the National Emergency Medical Services Education Standards (NEMSES) published by the United States Department of Transportation (USDOT). Limits on Enrollment: Enrollment in Paramedic Academy
Prerequisites/Corequisites: Course Completion of EMC 131B and Course Completion of EMC 162 and Course Completion of EMC 162L
Grading Type: Letter

EMC 150 Teaching Methodology for EMS Educators (2 Units)
Prepares Emergency Medical Service (EMS) personnel to teach as a lead instructor in primary and continuing education courses. Meets the requirements for EMS educators set forth by the California Health and Safety Code, Title 22 regulations.
Grading Type: Letter

EMC 161 Paramedic Theory I (8 Units)
Students will acquire general paramedic didactic education and training that follows the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes cognitive content associated with preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management. Limits on Enrollment: Enrollment in Paramedic Academy
Prerequisites/Corequisites: Course Completion of EMC 109 and EMC 114; AND Course Completion of either ANAT 1, ANAT 40 or ANAT 58; Concurrent Enrollment in EMC 161L
Grading Type: Letter, Pass/No-Pass

EMC 161L Paramedic Laboratory I (4 Units)
Students will acquire the skills of the psychomotor component of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes psychomotor skills associated with preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management. Upon successful completion of the course students will receive Prehospital Trauma Life Support (PHTLS) certification. Limits on Enrollment: Enrollment in Paramedic Academy
Prerequisites/Corequisites: Course Completion of EMC 109 and EMC 114; AND Course Completion of either ANAT 1 or ANAT 40 or ANAT 58; Concurrent Enrollment in EMC 161
Grading Type: Letter, Pass/No-Pass

EMC 162 Paramedic Theory II (8 Units)
Students will acquire general paramedic didactic education and training that follows the current Department of Transportation National Emergency Medical Services Education Standards (NEMSES) and California Code of Regulations, Title 22. This course includes cognitive content associated with medical emergencies, special patient populations, and Emergency Medical Services (EMS) operations. Rec Prep: Eligibility for ENGL 100 or EMLS 100 (formerly ESL 100). Limits on Enrollment: Enrollment in Paramedic Academy
Prerequisites/Corequisites: Course Completion of EMC 161 and EMC 161L; Concurrent Enrollment in EMC 162L
Grading Type: Letter, Pass/No-Pass

EMC 162L Paramedic Laboratory II (4 Units)
Students will acquire the skills of the psychomotor component of the current Department of Transportation National Emergency Medical Services Education Standards (NEMSES) and California Code of Regulations, Title 22. This course includes psychomotor skills associated with medical patient management, cardiac patient management, special populations, Emergency Services Education (EMS) operations, and simulated patient encounters. Rec Prep: Eligibility for ENGL 100 or EMLS 100 (formerly ESL 100). Limits on Enrollment: Enrollment in Paramedic Academy
Prerequisites/Corequisites: Course Completion of EMC 161 and EMC 161L; Concurrent Enrollment in EMC 162
Grading Type: Letter, Pass/No-Pass

EMC 170 Community Health Worker (4 Units)
Students will focus on core competencies for community health workers (CHW), evolution of the CHW field in the United States, CHWs and public health, and promoting health equity. Students will apply their knowledge and skills in a clinical setting as part of the course. Upon successful completion of this course, students will be eligible for state certification as a CHW. Rec Prep: Eligibility for ENGL C1000 (EMLS 10) or equivalent.
Grading Type: Letter

EMC 171 Tribal Emergency Preparedness and Response (2 Units)
Students will explore a wide range of environmental and societal crises that challenge Tribal community health, such as climate-driven wildfires, suicide, mass shootings, and lack of emergency preparedness. Using a cultural strengths-based approach, students will learn about how to plan, develop, and implement crisis responses that are effective in preventing, mitigating, and recovering from such events.
Grading Type: Letter

Engineering (ENGR)

ENGR 6 Programming in MATLAB for Engineers (3 Units)
Students will solve engineering problems using the MATLAB computer programming environment. The course introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Students will outline, write, test, and debug computer programs to solve engineering, physics, and mathematics problems and display results.
Prerequisites/Corequisites: Completion of MATH 1B or higher (MATH)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ENGR 10 Introduction to the Engineering Profession (2 Units)
Students will explore the branches of engineering, the functions of an engineer, and the industries in which engineers work. This course explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. The students will learn the methods and tools of engineering problem solving and design, including the interface of the engineer with society and engineering ethics. Engineering communication skills will be developed.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ENGR 16 Electric Circuits and Devices (4 Units)
Fundamental principles of circuit analysis and an introduction to the theory and use of common electronic devices. Subjects covered include: node and loop analysis, circuit simplification and equivalence, natural and forced response, operational amplifier behavior and circuits, semiconductor theory and behavior, diodes, transistors, and digital circuits. Mathematical concepts reviewed and applied include: matrices and system of equations solutions, binary and hexadecimal numbers, Fourier and Laplace transforms, complex numbers and phasors. Students are required to have a graphing calculator with CAS (Computer Algebra System).
Prerequisites/Corequisites: Course Completion of PHYS 42 AND Course Completion or Current Enrollment in MATH 2
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

ENGR 25 Engineering Graphics and Design (3 Units)
Students will develop three-dimensional visualization and design skills using freehand sketching and solid modeling software. Design projects will develop teamwork and project skills as well as an understanding of the industry standards for mechanical engineering drawings. Rec Prep: Course Completion of APTECH 46.
Prerequisites/Corequisites: Course Completion of MATH 58 OR MATH 27 or higher (MATH)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

ENGR 34 Engineering Mechanics: Statics (3 Units)
A vectorial treatment of the principles of statics with application to engineering problems and an emphasis on common engineering computational tools. Students are required to have a symbolic calculator (such as TI-89, TI-Nspire CAS, or HP 50g).
Prerequisites/Corequisites: Course Completion of PHYS 40 and Completion of MATH 1B or higher (MATH)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

ENGR 45 Properties of Materials (4 Units)
Structure, properties, selection, utilization, and deterioration of engineering materials.
Prerequisites/Corequisites: Course Completion of PHYS 40 AND; Course Completion of CHEM 3A AND CHEM 3AL; OR CHEM 1A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

ENGR 49 Independent Study in Engineering (1-3 Units)
Independent study or project in engineering to provide for an enriched academic experience. UC determines credit after transfer; not counted for admission. (See a counselor for details.) Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

ENGR 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ENGR 101 Engineering Design Project (1 Units)
Students will work in small groups to investigate, choose, refine and construct engineering design projects. This hands-on class allows participants to develop their engineering skills in a team-oriented environment.
Grading Type: Letter, Pass/No-Pass

ENGR 102 Robotics Design Project (1 Units)
Students will work in small groups to design, construct, and test a small autonomous robot using the LEGO Mindstorm Robotics Kits. Students gain exposure to mechanical and electrical engineering, as well as computer programming in a team-oriented environment.
Grading Type: Letter, Pass/No-Pass

ENGR 103 Microcontroller Projects (1 Units)
Students will work in small groups to design, construct, and test small electro-mechanical projects using computer interface modules and microcontrollers. Students will gain exposure to mechanical and electrical engineering, as well as computer programming in a team-oriented environment.
Grading Type: Letter, Pass/No-Pass

ENGR 770 Supplemental Instruction: Engineering and Applied Technology
An open-entry, open-exit class for students who seek to expand upon their knowledge and skills in engineering related disciplines through technology projects, training, workshops, and presentations. Students will build on the skills developed in referring course(s) in the disciplines: Engineering, Electronics, Photovoltaic Technology, Civil Engineering Technology, Survey Technology, Geospatial Technology, Applied Technology, Water Treatment, Wastewater Treatment, Architecture, and Construction Management. Students will build on the skills developed in ENGR 6 – 103, ELEC 51A – 184, RENRG 101 - 157, CEST 51 - 192, SURV 53 – 60, GIS 40 – 56, APTECH 43 – 191, WTR 101 – 111, WWTR 112 – 125, ARCH 2.1 – 65, CONS 50 – 183.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

English (ENGL)

ENGL 2 Introduction to the Novel (3 Units)
Students will read, analyze, and interpret novels that represent the history, diversity, and evolution of the novel as a literary and cultural form.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 3 Introduction to Poetry (3 Units)
In this course, students will explore the nature, variety, and significance of poetry: a studious pursuit of what makes poems work, why they are valued, and how to analyze and appreciate their content and form.
Prerequisites/Corequisites: Completion of ENGL C1000 (or higher) OR EMLS 10 (formerly ESL 10) or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 4A Beginning Creative Writing (3 Units)
Introductory creative writing students will study and write short fiction, poetry, drama, and creative nonfiction. Students will join a community of writers to develop creative writing ideas and practices.
Prerequisites/Corequisites: Completion of ENGL 100, EMLS 100 (formerly ESL 100), or higher or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ENGL 4B Intermediate Creative Writing (3 Units)
Intermediate creative writing students will study and write fiction, poetry, drama, and creative nonfiction. Students will join a community of writers to develop creative writing ideas and practices.
Prerequisites/Corequisites: Course Completion of ENGL 4A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ENGL 4C Advanced Creative Writing (3 Units)
Advanced creative writing students will study and write fiction, poetry, drama, and creative nonfiction. Students will join a community of writers to develop creative writing ideas and practices.
Prerequisites/Corequisites: Course Completion of ENGL 4B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

ENGL 7 Introduction to the Short Story (3 Units)
Students will be introduced to and critically analyze the genre of the short story, including the elements of the form and cultural contexts.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 9 Global Voices: Contemporary Literature from Around the World (3 Units)
Students will study recent and significant literature from around the world. Students are invited to delve into the vital contributions of the myriad of voices that speak to current global issues in their cultural and historical contexts, and that shape today's global literary traditions. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 10 Introduction to Environmental Literature (3 Units)
In this course, students will explore the themes, historical periods, and contemporary issues of environmental literature all while analyzing how the genre intersects with issues like culture, gender, race, ethnicity, class, colonization, and climate change. Field trip(s) may be required. Rec Prep: Eligibility for English 1A or EMLS 10 (formerly ESL 10).
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 3B

ENGL 11 Introduction to Dramatic Literature (3 Units)
Students will explore dramatic literature from different historical periods and world traditions, examining how major movements have shaped theater. Through reading, discussion, and analytical writing, students will engage with key dramatic genres—such as tragedy and comedy—and consider how theater has been influenced by cultural, social, and political struggles, amplifying voices that have shaped its evolution. Rec Prep: Course Completion of ENGL C1000 (formerly ENGL 1A) OR Course Completion of EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 12 Children's Literature (3 Units)
This course will study the history, development, and range of children's literature, important authors, and themes in children's literature. Material will cover a variety of types of literature from folklore and oral tradition to contemporary stories, illustrated books, poetry, and juvenile novels. Texts will be drawn from many cultures, and they will be analyzed from a variety of critical perspectives. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB 705 mandates.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 180
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 14 Dystopian Literature (3 Units)
In this course students will survey the genre of dystopian literature: works set in a futuristic bad-place (dys-topos). Study will include classic and contemporary works; major writers and themes of dystopian literature; technocultural theory; and an exploration of why dystopian literature has captured the contemporary cultural imagination.
Prerequisites/Corequisites: Completion of ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 22 Ethnic Diversity in American Arts and Literature (3 Units)
A study of ethnic arts and literature in America. Reading, discussion and analysis of trends in the literature of at least three of the following United States ethnic groups: Native American, Asian American, African American, Latino American, Pacific Islander American, Middle Eastern American, European American, and Multi-ethnic American. The course will emphasize the cultural issues that shape each ethnic literature, as well as its special contributions to American literature overall.
Prerequisites/Corequisites: Completion of ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 3B

ENGL 25 Introduction to Linguistics (3 Units)
This course invites students to study linguistics, a field that seeks to understand how languages work and how humans use their languages. Student will examine the structures of language, including sounds and signs, words, and grammar patterns, using examples from English and a variety of other languages. Student will also study language and the brain; popular misconceptions about language; how language varies over time, in different regions, and across speakers/signers; the relationship between language and culture; and how children develop language. Student will investigate these topics from the perspectives of language science as well as the diverse communities of speakers and signers whose languages we study. Student will also connect these topics to current social issues and ongoing debates about language.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 27 Introduction to Shakespeare (3 Units)
Study of Shakespeare based on a reading of representative plays and selected sonnets. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 30.1 American Literature: Pre-Colonial Period to the Civil War (3 Units)
Students in this class will explore a range of texts representative of literary traditions and ethnic and cultural diversities of the early Americas through 1865, including those from indigenous and other cultures, creating and influencing literature from what we now consider the United States. Students will engage with both the thematic richness and historical contexts of literature from this period. Throughout this exploration of the pre-colonial period through 1865, students are invited to delve into the vital contributions of these voices in shaping and building the cultural tapestry of American literature.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 130
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 30.2 American Literature from 1865 to the Present (3 Units)
Students will study American writers and their works that represent diverse voices from 1865 to present. Students will analyze texts that have both a thematic and a historical approach to the literature and major movements of this period. Course content will reflect the histories and lived experiences of the SRJC student body.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 135
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 31 African American Literature (3 Units)
In this course, students will explore the African American and Black voices that identify, express, describe, resist, defy, or break imperialism, exploitation, and oppression. Students will study a range of genres, such as fiction, poetry, drama, autobiography, nonfiction, and comics from the earliest published work by African Americans through to the present day, emphasizing the public sociality of black lives and the responses to it. Students will also examine a diverse body of ideas that focus on the preoccupations of identity, freedom, mobility, sovereignty, and security as they relate to the African American experience. The content of this course will address how the artistic expressions of African Americans reflect these concerns and demonstrate how slavery and its abolition shape American history.
Prerequisites/Corequisites: Completion of ENGL C1000 (or higher) or EMLS 10 (formerly ESL 10) or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 32 Asian American and Pacific Islander American Literature (3 Units)
In this course, students will use a historical and thematic approach to engage in intensive study of exemplary fiction, non-fiction, poetry, and drama written by and about Asian Americans and Pacific Islander Americans.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 33 Chicano/Chicana Arts and Literature (3 Units)
Students will be introduced to contemporary and traditional literature, drama, cinema, art, music, and/or visual and performance art created by Chicanas/Chicanos. An examination of this group's literature and arts, addressing major theoretical and analytical issues relevant to understanding the dynamic interactions between gender, class, race, and ethnicity in the United States, especially focused on decolonization, holistic re-humanization, and the development of critical consciousness.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 36 LGBTQ+ Arts and Literature (3 Units)
LGBTQ+ Arts and Literature engages students in an exploration of art and literature in a variety of mediums that reflect the wide array of diverse experiences and identities of the LGBTQ+ community. The course will include reading and writing about historical periods, artistic traditions, and social movements, as well as introductions to major theoretical perspectives.
Prerequisites/Corequisites: Completion of ENGL C1000 OR EMLS 10 (formerly ESL 10) or higher with a 'C' or better
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 46.1 Survey of English Literature Part 1 (3 Units)
Students in this class will explore a range of texts representative of the literary traditions and ethnic and cultural diversities that have contributed to what has been historically called the early British literary tradition. In this first of two survey courses in British literature, students will engage the themes and historical contexts of texts from the pre-modern period up to the late 18th century. Students will delve into the vital contributions of the myriad of voices and historical contexts and conflicts that have given shape to an expansive view of "early" British literary traditions.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 160
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 46.2 Survey of English Literature Part 2 (3 Units)
In this course, students will explore a range of texts representative of the literary traditions and ethnic and cultural diversities that have contributed to what has been historically called the British literary tradition. In this second of two survey courses in British literature, students will engage with the themes and historical contexts of texts from the late 18th century to the present. Students are invited to delve into the vital contributions of the myriad of voices and historical contexts and conflicts that have given shape to an expansive view of British literary traditions.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 165
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ENGL 49 Independent Study in English (1-3 Units)
Seminars or individual conferences are by arrangement to provide for independent study and enriched academic experience. Students must work with an instructor who has agreed to oversee the project. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.) Rec Prep: Eligibility for ENGL C1000 OR EMLS 10 (formerly ESL 10) or equivalent. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

ENGL 50 English C1000 Support Course (2 Units)
Enhance and support students' critical reading, writing, thinking, and research skills for effective participation in and successful completion of English C1000.
Prerequisites/Corequisites: Concurrent Enrollment in ENGL C1000 (or ENGL 1A)
Transferability: Transferable to CSU
Grading Type: Pass/No-Pass

ENGL 51 Success Strategies for Writing-Intensive Online Courses (0.5 Units)
Students will learn and practice reading and writing strategies to support their reading and writing development in writing-intensive online courses in both synchronous and asycnhronous settings (e.g. English 1A or English 5). Students will practice using collaborative and digital reading and writing tools available through learning management systems to further develop their reading and writing skills to succeed with the unique requirements of online reading and writing. Course topics include writer's block, writing vulnerability, fundamental challenges of online learning, email use, online class interactions and engagement, and the similarities and differences between online and on-site writing intensive courses. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ENGL 770 Reading and Writing Studio
In this course students will receive individualized instruction in essential English skills. This course supports students with academic reading and writing assignments from across disciplines and with college and job preparation writing tasks. It also supports students by developing their college level English skills, including academic writing, active reading, and grammar.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

ENGL 1000 (ENGL C1000) Academic Reading and Writing (4 Units)
In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. Additionally at SRJC, students will compose primarily argumentative and analytical writing using a process-oriented approach to encourage the development of healthy writing habits and the appropriate and effective use of language, close reading, cogent thinking, research strategies, information and learning resources, and documentation. The course emphasizes critical reading and discussion of a variety of college-level texts (primarily nonfiction) with emphasis on expository and argumentative prose.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 100
Grading Type: Letter
GE: AA/AS Area 1A,Cal-GETC Area 1A

ENGL 1001 (ENGL C1001) Critical Thinking and Writing (3 Units)
In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. Additionally at SRJC, students will further develop logical reasoning skills, inquiry-driven research strategies, as well as analytical and argumentative writing skills. Students will critically analyze texts that reflect an awareness of cultural diversity, inclusivity, and representation.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 105
Grading Type: Letter
GE: AA/AS Area 1B,Cal-GETC Area 1B

ENGL 1002 (ENGL C1002) Introduction to Literature (3 Units)
In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 120
Grading Type: Letter
GE: AA/AS Area 3,Cal-GETC Area 3B

English for Multilingual Students (EMLS)

EMLS 1 Exploration of Migrant Exp and Identities in Lit (4 Units)
In this content and language integrated course, multilingual students will enhance their language skills while engaging with culturally significant works of literature, films, and media from both Western and non-Western cultures, with a particular focus on migrant stories, identities, and experiences. Exploring the representation of migrant identities and lived experiences, students will deepen their appreciation of the contributions made by various ethnic and cultural groups to literature, knowledge, and society. Alongside this engagement, students learn to effectively voice their own stories and gain a deeper understanding of the stories of others. This course is designed for multilingual learners of English. Rec Prep: Course completion of ENGL C1000 (formerly ENGL 1A) or EMLS 10 (formerly ESL 10) or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

EMLS 10 College Composition for Multilingual Students (4.5 Units)
Multilingual students will prepare for the writing and critical reading demands across the disciplines by covering academic genres representative of the college at large. Students will learn expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, and research strategies. Students will also receive integrated grammar and academic vocabulary instruction based on the needs typical of second-language learners.
Prerequisites/Corequisites: Completion of the EMLS Guided Self-Placement or completion of one of the following courses: EMLS 20, (ESL 100)
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID ENGL 100
Grading Type: Letter
GE: AA/AS Area 1A,Cal-GETC Area 1A

EMLS 20 Research Writing for Multilingual Students (4.5 Units)
In this course, multilingual students will develop advanced-level research writing skills while examining the effects of historical, societal, and cultural factors on historically marginalized groups in the U.S. and other countries.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of EMLS 30.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

EMLS 30 Advanced Critical Reading/Writing for Multilingual Students (6 Units)
In this course, multilingual students will examine a variety of academic and literary texts that represent perspectives from English-speaking and multilingual cultures as well as diverse social and cultural traditions in the United States and elsewhere. Students will develop a broader understanding of the multiplicity of cultures in the world which will inform their composition of well-developed expository, compare and contrast, analytical, and argumentative essays.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of one of the following courses: EMLS 372 (ESL 372) or EMLS 372B (ESL 372B), ESL 316
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

EMLS 50 EMLS 10 Support Course (2 Units)
In this course, multilingual students will strengthen their critical reading, writing, thinking, research, and self-editing skills to support their engagement in and successful completion of EMLS 10.
Prerequisites/Corequisites: Concurrent Enrollment in EMLS 10 (or ESL 10)
Grading Type: Letter, Pass/No-Pass

EMLS 51 EMLS 1 Support Course (1.5 Units)
In this course, multilingual students develop advanced-level critical reading, writing, and research skills for participating in and completing EMLS 1 successfully.
Prerequisites/Corequisites: Concurrent Enrollment in EMLS 1
Grading Type: Letter, Pass/No-Pass

EMLS 300GR College-Level Grammar Review for Multilingual Students (1.5 Units)
Advanced multilingual students in EMLS 20 will review a variety of English grammar structures and apply grammar revision strategies to writing.
Prerequisites/Corequisites: Concurrent Enrollment in EMLS 20
Grading Type: Letter, Pass/No-Pass

EMLS 332 Desktop and Cloud Applications for Multilingual Students (1.5 Units)
This is a course for multilingual students who are interested in expanding their computer literacy skills and includes reading, vocabulary, study and test-taking strategies, and written and oral communication skills. Students use word processing, spreadsheet, and presentation software as they develop language skills. Rec Prep: Course Eligibility for one of the following courses: EMLS 371 (ESL 371), EMLS 371A (ESL 371A).
Grading Type: Letter, Pass/No-Pass

EMLS 334 Vocational English for Health Sciences (3 Units)
In this course, students will become familiar with health career pathways, occupation-specific terminology, and communication skills. This course is designed for multilingual students who are interested in building a linguistic foundation for introductory classes in the healthcare field. Rec Prep: Course Eligibility for one of the following courses: EMLS 371 (ESL 371), EMLS 371A (ESL 371A).
Grading Type: Letter, Pass/No-Pass

EMLS 335 Vocational English for Culinary Arts (3 Units)
This course is designed for multilingual students and provides a linguistic foundation for introductory Culinary Arts classes. Students will become familiar with basic culinary and food safety vocabulary; learn reading, writing and test-taking skills; and improve oral communication skills necessary for the professional culinary environment. Rec Prep: Course Eligibility for one of the following courses: EMLS 371 (ESL 371), EMLS 371A (ESL 371A), EMLS 716 (ESL 716), EMLS 781 (ESL 781), EMLS 781A (ESL 781A).
Grading Type: Letter, Pass/No-Pass

EMLS 353 Vocational English for Early Childhood Professionals (3 Units)
In this course, multilingual students who are preparing to work with young children aged 0-12 will practice reading, writing, listening, and speaking skills used in Early Childhood Education (ECE) settings. Rec Prep: Course completion of EMLS 371 (ESL 371), or ESL 312, or eligibility for EMLS 372 (ESL 372) or higher.
Grading Type: Letter, Pass/No-Pass

EMLS 371 Intermediate Reading/Writing/Grammar for Multilingual Studen (9 Units)
In this intermediate reading, writing, and grammar course, students focus on the development of pre-academic reading skills with particular concentration on comprehension, critical thinking, vocabulary, paragraph structure, and introduction to essays, including writing, revising, and editing. There will be an emphasis on verb tenses, the development of varied sentence structures, and a review of low intermediate grammar and punctuation. This course is designed for multilingual students.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of one of the following courses: EMLS 781 (ESL 781), EMLS 781B (ESL 781B), ESL 312
Grading Type: Letter, Pass/No-Pass

EMLS 371A Interm Reading/Writing/Grammar for Multiling Ss Part 1 (4.5 Units)
In the first half of this intermediate reading, writing, and grammar course, students focus on the development of pre-academic reading skills with particular concentration on comprehension, critical thinking, vocabulary, and paragraph writing process, including writing, revising, and editing. There will be an emphasis on verb tenses, the development of varied sentence structures, and a review of low intermediate grammar and punctuation. This course is designed for multilingual students.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of one of the following courses: EMLS 781 (ESL 781), ESL 781B (ESL 781B), ESL 312
Grading Type: Letter, Pass/No-Pass

EMLS 371B Interm Reading/Writing/Grammar for Multiling Ss Part 2 (4.5 Units)
In the second half of this intermediate reading, writing, and grammar course, students focus on the development of pre-academic reading skills with particular concentration on comprehension, critical thinking, vocabulary, paragraph writing process, and introduction to essays, including writing, revising, and editing. There will be an emphasis on verb tenses, the development of varied sentence structures, and a review of low intermediate grammar and punctuation. This course is designed for multilingual students.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of EMLS 371A (ESL 371A)
Grading Type: Letter, Pass/No-Pass

EMLS 371CP Intermediate Conversation & Pronunciation for Multiling Ss (3 Units)
In this intermediate, oral communication course, students will improve listening, speaking, and pronunciation skills necessary for successful interaction in social, academic and workplace environments. Recommended for multilingual students. Rec Prep: Eligibility for EMLS 371 (ESL 371), EMLS 371A (ESL 371A) or higher; OR Completion of EMLS 716CP (ESL 716CP)..
Grading Type: Letter, Pass/No-Pass

EMLS 371GR Intermediate Grammar Review for Multilingual Students (1.5 Units)
Intermediate multilingual students will review and reinforce their understanding of a variety of English grammar structures. Rec Prep: Course Eligibility for EMLS 371 (ESL 371) OR EMLS 371A (ESL 371A).
Grading Type: Letter, Pass/No-Pass

EMLS 372 High-Intermediate Reading/Writing/Grammar for Multiling Ss (9 Units)
In this high-intermediate reading, writing, and grammar course, students focus on the development of academic reading skills with particular focus on comprehension, vocabulary and rate, and the basic essay process, including writing, revising, and editing. There will be an emphasis on complex clause structures and review of intermediate grammar structures and punctuation. This course is designed for multilingual students.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of one of the following courses: EMLS 371 (ESL 371), EMLS 371B (ESL 371B), ESL 314
Grading Type: Letter, Pass/No-Pass

EMLS 372A High-Interm Reading/Writing/Grammar for Multiling Ss Part 1 (4.5 Units)
In the first half of this high-intermediate reading, writing, and grammar course, students focus on the development of academic reading skills with particular focus on comprehension, vocabulary and rate, and the basic essay process, including writing, revising, and editing. There will be an emphasis on complex clause structures and review of intermediate grammar structures and punctuation. This course is designed for multilingual students.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of one of the following courses: EMLS 371 (ESL 371), EMLS 371B (ESL 371B), ESL 314
Grading Type: Letter, Pass/No-Pass

EMLS 372B High-Interm Reading/Writing/Grammar for Multiling Ss Part 2 (4.5 Units)
In the second half of this high-intermediate reading, writing, and grammar course, students focus on the development of academic reading skills with particular focus on comprehension, vocabulary and rate, and the basic essay process, including writing, revising, and editing. There will be a continued emphasis on complex clause structures and review of intermediate grammar structures and punctuation. This course is designed for multilingual students.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of EMLS 372A (ESL 372A)
Grading Type: Letter, Pass/No-Pass

EMLS 372CP High-Intermediate English Convers/Pronunciation (3 Units)
In this high-intermediate level oral communication course, students will improve listening, speaking, and pronunciation skills necessary for successful interaction in social, academic, and workplace environments. Recommended for multilingual students and learners of English. Rec Prep: Course Completion of EMLS 371CP (ESL 371CP); OR Course Eligibility for EMLS 372 (ESL 372); EMLS 372A (ESL 372A), or higher.
Grading Type: Letter, Pass/No-Pass

EMLS 372GR High-Intermediate Grammar Review for Multilingual Students (1.5 Units)
High-intermediate multilingual students will review and reinforce their understanding of a variety of English grammar structures. Rec Prep: Course eligibility for EMLS 372 (ESL 372) or EMLS 372A (ESL 372A).
Grading Type: Pass/No-Pass

EMLS 373CP Advanced Conversation & Pronunciation for Multilingual Ss (3 Units)
In this advanced-level oral communication course, the student will be invited to improve speaking, listening, and pronunciation skills necessary for critical thinking in academic, professional and social environments. This is recommended for multilingual students. Rec Prep: Course Completion of EMLS 372CP (ESL 372CP), OR Course Eligibility for EMLS 373 (ESL 373), EMLS 373A (ESL 373A), or higher.
Grading Type: Letter, Pass/No-Pass

EMLS 373GR Advanced Grammar Review for Multilingual Students (1.5 Units)
Advanced multilingual students will review and reinforce their understanding of a variety of English grammar structures and will apply grammar revision strategies to writing. Rec Prep: Course eligibility for EMLS 373 (ESL 373) or EMLS 373A (ESL 373A).
Grading Type: Letter, Pass/No-Pass

EMLS 391 United States Life and Culture for Multilingual Students (1.5 Units)
In this course, multilingual students will be introduced to the daily life, culture, and education systems of the United States (U.S.). Students will learn the vocabulary and oral communication skills necessary to function in U.S. society, including academic settings, through a combination of lectures by local experts, organized field trips, and authentic experiences. Rec Prep: Course Eligibility for EMLS 371 (ESL 371) OR EMLS 371A (ESL 371A).
Grading Type: Letter, Pass/No-Pass

EMLS 701 Development of Spanish Literacy Skills
In this course, native Spanish speakers will develop their literacy skills in their native language. Students will learn reading, writing, and skills necessary for success in the workplace, academic and social settings.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 702 Noncredit Beginning English Literacy
In this course, students will develop language skills in English to complete essential literacy tasks. This beginning noncredit English Literacy course is for English language learners with little or no ability to read and write in English due to limited literacy skills in first language and limited exposure to English and/or learners from a non-Roman alphabet. Interested students are encouraged to take the Noncredit EMLS Placement Assessment.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMLS 703 Noncredit Low-Beginning English
In this course, students will develop English language skills to function in cross-cultural everyday situations. This class is for noncredit, low-beginning English language learners with no or very limited prior experience learning English. Interested students are encouraged to take the Noncredit EMLS Placement Assessment.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMLS 704 Noncredit High-Beginning English
In this course, students will develop language skills in English to function independently in cross-cultural everyday situations. This class is for noncredit, high-beginning English language learners.\ \ Interested students are encouraged to take the Noncredit EMLS Placement Assessment. Rec Prep: Course Completion of EMLS 703 (EMLS 713 or ESL 713) OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMLS 705 Noncredit Low-Intermediate English
In this course, students will develop language skills in English to function independently in cross-cultural, everyday situations. This class is for noncredit, high-beginning English language learners. Interested students are encouraged to take the Noncredit EMLS Placement Assessment. Rec Prep: Course Completion of EMLS 704 (EMLS 714 or ESL 714) OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMLS 707 Noncredit High-Intermediate English
In this course, students will develop language skills in English to function independently in cross-cultural everyday situations. This class is for noncredit, high-intermediate English language learners.\ \ Interested students are encouraged to take the Noncredit EMLS Placement Assessment. Rec Prep: Course Completion of EMLS 705 (EMLS 714 or ESL 714) OR Qualifying Score on Noncredit EMLS Placement Assessment.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMLS 708 NC Transitional English in Reading/Writing/Grammar
In this low-intermediate reading, writing, and grammar course, students will focus on the development of academic reading and writing skills, with particular emphasis on campus resources and programs needed for academic success. Reading instruction will focus on comprehension, critical thinking, and vocabulary. Writing instruction will include paragraph structure, an introduction to multi-paragraph writing, and grammar in context. This course is designed to prepare multilingual students for the credit EMLS pathway. Rec Prep: Course Completion of EMLS 715 (or ESL 715).
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

EMLS 713CP Noncredit Low-Beginning English Conversation/ Pronunciation
Students will develop and practice communication and pronunciation skills needed in real-life settings, with an emphasis on skills used at work, school, and in the community. This class is for English language learners with very limited ability to function independently in English in everyday situations. There is a particular emphasis on vocabulary development, pronunciation, and oral language skills needed in real-life settings. Rec Prep: Course Completion of EMLS 713 (ESL 713); OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 713RW Noncredit Low-Beginning English Reading/Writing
Students will develop and practice reading and writing skills needed in real-life settings, with an emphasis on skills used at work, school, and in the community. This class is for English language learners with very limited ability to function independently in English in everyday situations. There is a particular emphasis on vocabulary development, pronunciation and oral language skills needed in real-life settings. Rec Prep: Course Completion of EMLS 713 (ESL 713); OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 714CP Noncredit High-Beginning English Conversation/ Pronunciation
Students will develop English vocabulary, pronunciation, and oral language skills needed in real-life settings. This class is for English learners with limited ability to function independently using English in everyday situations. Rec Prep: Course Completion of EMLS 714 (ESL 714); OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 714RW Noncredit High-Beginning English Reading/Writing
This class is for English language learners with limited ability to function independently in English in everyday situations. Particular emphasis on reading and writing skills needed in a variety of academic, vocational, and community settings. Rec Prep: Completion or Concurrent Enrollment of EMLS 714 (ESL 714); OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 716 Noncredit High-Intermediate English
Students will develop language skills in English to function independently in profession, academic, and community settings. This class is for noncredit, high-intermediate English language learners.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 716CP Noncredit Intermediate English Conversation/ Pronunciation
In this course, students will develop the ability to function independently in English with a particular emphasis on vocabulary development, pronunciation, and oral language skills needed for effective communication in academic, vocational, and community settings. Rec Prep: Course Completion of EMLS 716 (ESL 716); OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 716RW Noncredit Intermediate English Reading/Writing
This class is for English language learners with the ability to function independently in English in most contexts. Particular emphasis on reading and writing skills needed to be effective in academic, vocational, and community settings. Rec Prep: Completion or Concurrent Enrollment of EMLS 716 (ESL 716) or higher; OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 722 Computer Literacy for Multilingual Students
This is a course for English language learners who have little or no experience with computers. Students use operating systems, word processing, the Internet, and email as they develop language skills. This computer course includes basic reading, vocabulary, study and test-taking strategies, and written and oral communication skills. Rec Prep: Course Eligibility for EMLS 704 (or EMLS 714 or ESL 714)
Grading Type: NC Pass/No-Pass, Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 724 Vocational English for Multilingual Students
Multilingual intermediate and advanced students will work on English language development and cultural preparation for employment. Multi-level instruction includes group activities in listening, speaking, reading and writing for the workplace. Rec Prep: Course Completion of EMLS 704 (or EMLS 714 or ESL 714)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 732 Desktop and Cloud Applications for Multilingual Students
This is a course for multilingual students who are interested in expanding their computer literacy skills and includes reading, vocabulary, study and test-taking strategies, and written and oral communication skills. Students use word processing, spreadsheet, and presentation software as they develop language skills. Rec Prep: Eligibility for EMLS 716 (ESL 716), EMLS 781 (ESL 781), or EMLS 781A (ESL 781A).
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 734 Noncredit Vocational English for Health Sciences
In this course, students will become familiar with health career pathways, occupation-specific terminology, and communication skills. This course is designed for multilingual students who are interested in building a linguistic foundation for introductory classes in the healthcare field. Rec Prep: Completion of one of the following courses: EMLS 716 (ESL 716), EMLS 781 (ESL 781), EMLS 781B (ESL 781B).
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 735 Vocational English for Culinary Arts
This course is designed for multilingual students and provides a linguistic foundation for introductory Culinary Arts classes. Students will become familiar with basic culinary and food safety vocabulary; learn reading, writing and test-taking skills; and improve oral communication skills necessary for the professional culinary environment. Rec Prep: Eligibility for one of the following courses: EMLS 716 (ESL 716), EMLS 781 (ESL 781), EMLS 781A (ESL 781A).
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 753 Noncredit Vocational Engl for Early Childhood Professionals
This course is designed for multilingual students who are preparing to work with young children aged 0-8. In this course, students preparing for a career in Early Childhood Education (ECE) will receive support and practice in reading, writing, listening, and speaking skills used in early childhood educational settings. Rec Prep: Course Eligibility for EMLS 716 (ESL 716), EMLS 781 (ESL 781).
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 770 Supplemental Instruction: EMLS
Students will receive supplemental instruction in English language skills. Supports EMLS 10 – 391 and EMLS 701 – 781B.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 771 Noncredit Intermediate English for Multilingual Students
This course is the noncredit version of ESL 371. In this intermediate reading, writing, and grammar course, students focus on the development of pre-academic reading skills with particular concentration on comprehension, critical thinking, vocabulary, paragraph structure, and introduction to essays, including writing, revising, and editing. There will be an emphasis on verb tenses, the development of varied sentence structures, and a review of low intermediate grammar and punctuation. This course is designed for multilingual students.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of one of the following courses: EMLS 781 (ESL 781) or EMLS 781B (ESL 781B), ESL 312
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 771CP Noncredit Intermediate Conversation & Pronunciation
In this noncredit, intermediate oral communication course, students will improve listening, speaking, and pronunciation skills necessary for successful interaction in social, academic, and workplace environments. Recommended for multilingual students. This course is the noncredit mirror of EMLS371 CP. Rec Prep: Course Completion of EMLS 716CP (ESL 716CP); OR Eligibility for EMLS 371 (ESL 371), EMLS 371A (ESL 371A), EMLS 771 (ESL 771), or higher.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 772 Noncredit High-Intermediate English for MultilingualStudents
This course is the noncredit version of EMLS 372. In this high-intermediate reading, writing, and grammar course, students focus on the development of academic reading skills with particular focus on comprehension, vocabulary and rate, and the basic essay process, including writing, revising, and editing. There will be an emphasis on complex clause structures and review of intermediate grammar structures and punctuation. This course is designed for multilingual students.
Prerequisites/Corequisites: Completion of the ESL Guided Self-Placement or completion of one of the following courses: ESL 314, EMLS 371 (ESL 371), EMLS 371B (ESL 371B), or EMLS 771 (ESL 771)
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 772CP Noncredit High-Intermediate English Convers/ Pronunciation
In this noncredit, high-intermediate level oral communication course, students will improve listening, speaking, and pronunciation skills necessary for successful interaction in social, academic, and workplace environments. Recommended for multilingual students and learners of English. This course is the noncredit mirror of EMLS372 CP. Rec Prep: Course Eligibility for EMLS 772 (ESL 772) or higher.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 781A NC Low-Interm Read/Writ/Gramm for Transitional EMLS Pt 1
In the first half of this low-intermediate reading, writing, and grammar course, students focus on the development of academic reading and writing skills with particular emphasis on campus resources and programs needed for academic success. Reading instruction will focus on comprehension, critical thinking, vocabulary, and rate. Writing instruction will include paragraph structure, an introduction to multi-paragraph writing, and grammar in context. This course is designed to prepare multilingual students for the credit EMLS pathway. Rec Prep: Course Completion of EMLS 715 (ESL 715); OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 781B NC Low-Interm Read/Writ/Gramm for Transitional EMLS Pt 2
In the second half of this low-intermediate reading, writing, and grammar course, students focus on the development of academic reading and writing skills with particular emphasis on campus resources and programs needed for academic success. Reading instruction will focus on comprehension, critical thinking, vocabulary, and rate. Writing instruction will include paragraph structure, an introduction to multi-paragraph writing, and grammar in context. This course is designed for multilingual students. Rec Prep: Course Completion of one of the following courses: EMLS 715 (ESL 715), EMLS 781A (ESL 781A); OR Qualifying Score on Noncredit English Placement Assessment.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

EMLS 791 United States Life and Culture for Multilingual Students
In this course, multilingual students will be introduced to the daily life, culture, and education systems of the United States (U.S.). Students will learn the vocabulary and oral communication skills necessary to function in U.S. society, including academic settings, through a combination of lectures by local experts, organized field trips, and authentic experiences.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Entrepreneurship (ESHP)

ESHP 101 Innovation (3 Units)
Students will evaluate the entrepreneurial skills, tools, and techniques to support brainstorming and creativity. They will also assess the methodology behind the inception and growth of ideas, concepts, innovations. Additionally, students will apply social and cultural insights to creative inspiration, product development, idea generation, and venture creation. Rec Prep: Course Eligibility for BMG 53 OR BGN 100.
Grading Type: Letter

ESHP 106 Venture Launch (3 Units)
Students will apply the entrepreneurial decision-making process and the lean launch/customer discovery process to the real-world development and assessment of new opportunities, business models, and ventures. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates AND Course Completion of ESHP 101(or ESHIP 101).
Grading Type: Letter

ESHP 115 Financial Basics and Cash Flow (1.5 Units)
Students will be introduced to overall financial basics needed to run businesses. Topics include orientation to financial reports, cash flow management, forecasting, financial recordkeeping needed for tax reporting, break-even analysis, and how to read financial results to make decisions.
Grading Type: Letter, Pass/No-Pass

ESHP 116 Ethics, Responsibility, and Sustainability (1.5 Units)
Introduces students to ways to promote responsible corporate behavior by focusing on the social, ethical, and environmental impacts of business activities, while distinguishing the issues, motivations, and strategies unique to short-term profitability and long-term sustainability. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

ESHP 117 Communications for Start-Ups (1.5 Units)
Introduces students to a wide spectrum of communications. Investigates how to successfully communicate concepts and goals various stakeholders and influencers throughout the product life cycle. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

Environmental Science (ENVS)

ENVS 8 Introduction to Global Climate Change (3 Units)
In this course, students will explore the science of climate change including: evidence for climate change, global atmospheric and sea circulation, the factors causing climate to change, how climate has changed, and how scientists study past climates. Students will use models, observations, data, and theory to make predictions about future climate, and the possible consequences of climate change for our planet. Rec Prep: Eligibility for ENGL C1000 and: Course Completion of one or more of the following courses: ENVS 12, GEOL 1, GEOG 4, or METRO 10.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

ENVS 12 Introduction to Environmental Science (3 Units)
Introduction to environmental issues from a scientific perspective, focusing on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the role of science in finding sustainable solutions. Topics include ecological principles, biodiversity, climate change, sustainability, renewable and non-renewable energy, water resources, air and water pollution, and solid waste management. Rec Prep: Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

Environmental Technology (ENST)

ENST 40 Environmental Forum (1 Units)
A series of lectures, readings, and classroom discussions on topics of environmental concern including an introduction to the field of environmental studies, four to six guest lectures on various environmental topics, and an introduction to employment opportunities within the field. Presentations given by guest lecturers. Topics change from semester to semester. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.) Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

Equine Science (EQSC)

EQSC 25 Equine Science (3 Units)
A survey of the equine industry. Selection, feeding, breeding, facilities, handling and diseases of horses will be emphasized to ensure scientifically based management decisions. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

EQSC 60 Equine Anatomy and Physiology (3 Units)
In this course, students will evaluate the gross anatomy and physiology of the horse. How anatomy and physiology affect the equine athlete is emphasized. Students will also evaluate how anatomy and physiology affects management of the horse.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

EQSC 80 Equine and Stable Management (3 Units)
This course will provide students an understanding of management considerations to be better prepared for running and/or managing an equine enterprise. Topics covered will be: horse facilities; health care; equipment and tack; trailering horses; conditioning; pasture management; and managing the stalled horse. Field trips are an integral part of this course. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent; and Course Completion of EQSCI 25.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

EQSC 101 Horse Handling Skills (1.5 Units)
Introduction to the fundamentals of horse handling. Covers horse behavioral patterns and safe handling skills, such as lunging and round pen training. This course also explores safety as it relates to grooming, saddling, bridling and interpreting equine behavior. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

EQSC 110 Equine Nutrition (1 Units)
In this course, students will learn how to develop a horse feeding program with regard to horse type, level of activity, available feedstuffs, cost factors and basic nutritional requirements. This course will cover feeding for maintenance, growth and reproduction as well as feeding methods. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

EQSC 170 Farrier Science (3 Units)
In this course, students will learn the basic anatomy and physiology of the horse's limbs and feet. This course will evaluate lameness causes, treatment and prevention. Students will also build an understanding of horseshoeing terminology, and guidelines for assessing proper horseshoeing and hoof trimming.
Grading Type: Letter, Pass/No-Pass

Ethnic Studies (ETHS)

ETHS 20 Introduction to Ethnic Studies (3 Units)
This course is an introduction to Ethnic Studies. The students will examine the cultural, economic, legal and environmental conditions under which different ethnic groups have made a home in America. The term "ethnic" is reframed to explicitly include white colonists and settlers in order to examine the legacy of colonialism, economic oppression and white supremacy against Indigenous peoples, non-white settlers, immigrants and refugees. Students will study key figures, moments and movements in multi-ethnic conflict; cooperation and solidarity are examined to illustrate the strength and influence of the people, old and new, who made, and are remaking America.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 6,Cal-GETC Area 6

ETHS 21 Introduction to African-American Studies (3 Units)
This Ethnic Studies course is an introduction to African-American Studies centered on black lives and experiences. Drawing from the humanities, the performing arts, the social sciences and cinema, students will examine the profound contributions of African-American cultures that are central to America. This multidisciplinary course approaches African-American Studies as simultaneously authentically American while also embedded with a global black diaspora stretching from the Caribbean to Europe to Asia. Students will use an ethnic studies lens to examine themes like black resistance, white supremacy, large-scale migration and multiracial coalition building are examined to illustrate the multifaceted dimensions of African-American cultures and black lives, inside and outside of America.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 6,Cal-GETC Area 6

ETHS 22 Introduction to Asian American Studies (3 Units)
While Asian Americans are often seen as forever-foreigners, they are inextricably woven into the fabric of the United States. Students will learn the diverse and complex experiences and origins of Asian Americans; this course will explore the epistemologies, intersectional identities, histories, and societal impact of Americans of East Asian, Pacific Islander, South Asian, and Southeast Asian descent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 6,Cal-GETC Area 6

ETHS 23 Introduction to Chicanx and Latinx Studies (3 Units)
In this Ethnic Studies course, students will study the Chicanx and Latinx communities and cultures in U.S. society from Indigenous civilizations to the present. Chicanx and Latinx contributions to U.S. society are examined by using an ethnic studies lens and interdisciplinary approach, including social and behavioral sciences, humanities, literature, art, and music. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 6,Cal-GETC Area 6

ETHS 24 Introduction to Native American Studies (3 Units)
American Indian cultures in North America are studied from early cultures to contemporary society. Students will use a cross-disciplinary approach to examine applicable methods and theories that inform the distinct cultural and political organization, analyze and articulate concepts such as race, ethnicity, equity, ethnocentrism, self-determination, liberation, and settler colonialism by applying theory and knowledge produced by Native Americans. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 6,Cal-GETC Area 6

ETHS 25 The American Indian and the U.S. Political System (3 Units)
This Ethnic Studies course surveys the role of American Indian people in the United States and state political systems, institutions, and legal precedent. Students will use an ethnic studies lens to examine tribal nations' government political structures and functions from pre-contact through settler colonialism to contemporary times, as well as analysis of Federal Indian Policy and leading issues such as, but not limited to, sovereignty, tribal citizenship, and identify that affect American Indian people and Native nations. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 6,Cal-GETC Area 6

ETHS 26 The Original Californians (3 Units)
This Ethnic Studies course will study Native people of California: their origin, language, arts, customs, religion, folklore, and music. In this course students will use an ethnic studies lens to develop a dynamic comparative grid, focusing on the persistence of tribal identities and evolution of socio-economic changes, tribal and inter-tribal cultural practices over time. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 6,Cal-GETC Area 6

ETHS 27 American Indians Today (3 Units)
Students will study the development of a greater sensitivity to the American Indian through analysis of ethnocentrism, racialization, and colonialism exhibited in contemporary American pluralistic society. This will be done through the analysis of stereotyping, history, cultural practice, and contemporary issues. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 6,Cal-GETC Area 6

Fashion (FASH)

FASH 8 Introductory Textiles (3 Units)
Students will learn about natural, human-made, synthetic, and sustainable fiber characteristics, apparel applications, manufacturing processes, and government regulations. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

FASH 52.2 Visual Merchandising (2 Units)
Students in this course will learn how to create fashion exhibits and window displays that engage customers and sell products. They will observe, analyze, and design a variety of fashion displays employing basic design principles and using fixtures, props, accessories, and mannequins typical of a contemporary retail setting.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FASH 56 Fashion Design and Illustration (3 Units)
This course examines the ways that garment designs are developed and communicated in the fashion industry. Students will study all aspects of the design process from the initial inspiration and market research to the sketches and technical illustrations that communicate the specifics of the garment to the production team. An introduction to both Adobe Photoshop and Adobe Illustrator allows students to create industry-quality digital illustrations and design presentations. Rec Prep: Course Completion of FASH 70A.
Transferability: Transferable to CSU
Grading Type: Letter

FASH 60 Draped Design (2 Units)
Students will study the draping methods required to create garment patterns on the dress form with fabric. Draped designs will be translated into production-ready paper patterns and sample garments constructed to test fit and design. Basic sewing skills are required. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of FASH 70A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FASH 62A Flat Pattern Design 1 (2 Units)
The student will learn the flat pattern method in which a sloper is used to create patterns for a variety of garment styles. Patterns for tops, skirts, dresses, sleeves, and collars are discussed. Construction of a garment from an original pattern is required. Rec Prep: Course Completion of FASH 70B; AND Course Completion or Concurrent Enrollment in FASH 56.
Prerequisites/Corequisites: Course Completion of FASH 70A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FASH 70A Clothing Construction 1 (2 Units)
An introduction to the sewing techniques and garment construction skills used in fashion design and apparel production. Students will learn fundamental skills such as fabric selection, pressing, and operation of a sewing machine in order to construct a variety of samples and finished garments.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FASH 70B Clothing Construction 2 (2 Units)
Building on topics from 70A, this course covers intermediate to advanced sewing and garment construction skills used in fashion design and apparel production. Creating both samples and finished garments, students will build competence working with specialty fabrics, and more complex patterns. Lectures will discuss the important steps of apparel production in the fashion industry.
Prerequisites/Corequisites: Course Completion of FASH 70A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FASH 112 Alterations and Sustainability (2 Units)
This course provides an overview of sustainable fibers and environmentally conscious apparel manufacturing processes. Students will implement techniques such as deconstruction, alteration, repurposing, and zero waste to create original garment designs. Rec Prep: Course Completion of FASH 70A.
Grading Type: Letter, Pass/No-Pass

FASH 121 Knitwear Construction (2 Units)
Students will learn industry techniques for sewing knitwear apparel including sportswear separates, lingerie, and activewear. Machine skills include use of specialized knit stitches on computer sewing machines, sergers, and cover-stitch machines. Rec Prep: Course Completion of FASH 70A.
Grading Type: Letter, Pass/No-Pass

FASH 139 Fashion Entrepreneurship (3 Units)
Students will investigate the process for developing a fashion product from concept to consumer and the steps required to launch a fashion enterprise. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

FASH 141 Contemporary Fashion Designers (3 Units)
A study of the prominent designers and trends in fashion history from the late 19th century to today. Students will research ways that important American and international designers of the last 150 years have influenced and inspired the current fashion industry. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter, Pass/No-Pass

FASH 152 Fashion Show Production (2 Units)
Students in this course are guided through the process of producing a full-scale fashion show. They will discuss, plan, and execute all aspects of the show including the staging, promotions, model casting, merchandise selection, and budgeting. Lectures provide a summary of the history of fashion shows as well as analysis of current stylistic trends for the design and production of contemporary fashion shows.
Prerequisites/Corequisites: Concurrent Enrollment in FASH 152L
Grading Type: Letter, Pass/No-Pass

FASH 152L Fashion Show Production Lab (0.5 Units)
This course provides supervised lab time for students enrolled in FASH 152. Students will collaborate on the execution of projects and team assignments associated with the production of a fashion show.
Prerequisites/Corequisites: Concurrent Enrollment in FASH 152
Grading Type: Letter, Pass/No-Pass

FASH 770 Fashion Skills Lab
Fashion Studies students are invited to enroll in this open-entry, open-exit class to expand upon their knowledge within the discipline. They will have the opportunity to spend supervised time in the fashion lab in order to build on the skills developed in a referring program course(s) including FASH 8, FASH 52.2, FASH 56, FASH 60, FASH 62A, FASH 70A, FASH 70B, FASH 112, FASH 121, FASH 139, FASH 141, FASH 152, and FASH 152L.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Film and Media Arts (FMA)

FMA 4 Introduction to Mass Communication (3 Units)
Students will be introduced to the overview of the history, structure, function, and influence of print, electronic, and digital media and their support industries. Rec Prep: Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID JOUR 100
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

FMA 6 Media, Culture, and Identity (3 Units)
This course examines the impact media has on perceptions of race, class, gender, and sexuality in America. Students will investigate the origins of cultural stereotypes as well as the complexities of representing various American cultures in the media. Particular attention will be paid to women and minority mediamakers. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,AA/AS Area 4,Cal-GETC Area 3B,Cal-GETC Area 4

FMA 10 Film Appreciation (4 Units)
Students will be introduced to the language and technology of filmmaking through the examination of great films and filmmakers. The course features a broad range of domestic and international cinema and investigates the culture, politics, and social histories of the periods in which the films were produced. The students become more aware of the complexity of film art, more sensitive to its nuances, textures, and rhythms, and more perceptive in reading its multilayered blend of image, sound, and motion. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

FMA 11 Communication through Game Design (3 Units)
Students will explore the historical, theoretical, and philosophical functions of games as cultural artifacts for meaning making. Students will examine a wide range of fundamental game principles related to non-digital games, such as aesthetics, iteration, playtesting, and group interaction. Additionally, students will critically analyze game mechanics, design, and gaming cultures. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

FMA 14 Early Film History (4 Units)
In this course, students will survey international film history from pre-cinema machines to the 1950s with emphasis upon D.W. Griffith, German Expressionism, Soviet Montage, film genres, and the Hollywood Studio System. The course will also cover the historical evolution of the narrative form, as well as the development of formal devices such as the shot, mise-en-scène, editing, and sound design. Rec Prep: Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

FMA 15 Modern Film History (4 Units)
In this course, students will survey international film history from the 1950s to the present with emphasis on the New Waves and the New Hollywood. The course will also cover the historical evolution of the narrative form, as well as the development of formal devices such as shot, mise-en-scène, editing, and sound design. Rec Prep: Eligibility for ENGL C1000 or equivalent and Course Completion of MEDIA 10 and MEDIA 14.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

FMA 16 Film Genres (4 Units)
In this introductory course, students will survey the historical development and progression of popular film genres while also exploring their artistic, social, cultural, political, and ideological contexts. Types of genres explored in this course include, but are not limited to, science-fiction, western, gangster, crime and detective thriller (\"film noir\"), musical, comedy, melodrama, horror film, and/or documentary. The particular genre(s) of study will change each semester, based upon the instructor's choice. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Grading Type: Letter

FMA 17 Contemporary World Cinema (4 Units)
A survey of contemporary world cinema as art, business, technology, and cultural artifact. Students will utilize various critical methodologies for analyzing and interpreting the work of notable film artists, current international film movements and genres, and transnational and globalized media developments. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 3A,Cal-GETC Area 3B

FMA 18 Audio for Film Production (3 Units)
An introductory course for visual storytellers examining the art and science of audio for digital film & video production. Students will learn the basic concepts of recording audio for visual media, including: microphone placement, recording standards, and mixing. Students will study and have access to a variety of audio production equipment, including a range of microphones, audio recorders and post-production applications, including Adobe Premiere. The successful student will be able to execute proper audio production techniques for a variety of film & video production applications and technologies.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

FMA 19 Multi-Camera Studio Production (4 Units)
This course introduces students to the studio production environment. Live multi-camera formats will be studied in theory and in practice as participants create original content. Rec Prep: Course Completion or Concurrent Enrollment in FMA 18 (or MEDIA 18 or MEDIA 51)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

FMA 20 Introduction to Digital Filmmaking (4 Units)
Students will recieve an intensive introduction to the fundamentals of digital filmmaking, including: writing and structuring a story, developing a shooting script, basic camera, sound and lighting techniques, editing, and post-production processes. Students will develop the basic skills to work as a member of a production crew. Rec Prep: Course Completion or Concurrent Enrollment in FMA 10 and Concurrent Enrollment in FMA 18 and Concurrent Enrollment in CS 74.22.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

FMA 21 Intermediate Digital Filmmaking (4 Units)
An examination of the science and art of digital pre-production, production and post-production. Students will write short film scripts, plan and execute shoots using single camera production techniques, edit picture and sound, and learn how to package and market films for festivals and distribution. Students will develop more advanced skills in digital filmmaking such as directing actors and genre lighting.
Prerequisites/Corequisites: Course Completion of FMA 20 (or MEDIA 20)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

FMA 22 Screenwriting (3 Units)
Students will be introduced to the fundamentals of screenwriting, including story structure. Rec Prep: Course Completion of FMA 10 (or MEDIA 10).
Prerequisites/Corequisites: Course Completion of ENGL C1000 or EMLS 10 or higher (V8)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

FMA 44 Media Criticism (3 Units)
An introduction to the critical analysis of mediated texts with an emphasis on film, television, music, advertising, social media, video games, and new media. Students will explore and apply the core concepts of media theory and methods in an attempt to better understand the relationship between media, culture, and society. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,AA/AS Area 4,Cal-GETC Area 3A,Cal-GETC Area 4

FMA 55 Cinematography and Visual Storytelling (RVPA) (3 Units)
In this course, students will explore visual storytelling methods from script to screen: script analysis from pragmatic to aesthetic perspectives, cinematography, lighting, and art direction techniques. This is a Regional Virtual Production Academy (RVPA) course that is not offered at SRJC but is available through one or more of the other five participating colleges of the RVPA collaborative program. Learn more about the RVPA at https://cs.santarosa.edu/vp
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

FMA 123 Intermediate Screenwriting (3 Units)
Students will engage in intermediate screenwriting that focuses on longer form writing, expanding a first act into a complete feature length script. Emphasis will be not just on writing content (story plot, writing style, etc.), but also on marketing one's work and choosing concepts that are marketable.
Prerequisites/Corequisites: Course Completion of FMA 22 (or MEDIA 22)
Grading Type: Letter, Pass/No-Pass

FMA 720 Introduction to Digital Filmmaking
In this non-credit course, students will receive an intensive introduction to the fundamentals of digital filmmaking, including: writing and structuring a story, developing a shooting script, basic camera, sound and lighting techniques, editing, and post-production processes. Students will develop the basic skills to work as a member of a production crew.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

Fire Technology (FIRE)

FIRE 50 Ethical Leadership in the Classroom (0.5 Units)
This course provides the knowledge and skills needed to identify the value of ethical behavior in instructional settings, describe how ethical norms influence individual ethics, identify a personal ethical perspective and core values and how they impact communication and ethical decision making, and make an ethical decision using an ethical decision making model, in order to assist in making ethical decisions when faced with an ethical dilemma in an instructional setting and carry out the roles and responsibilities of an State Fire Training (SFT) instructor in an ethical manner. Upon successful completion, the student will be awarded a certificate from the State Board of Fire Services (Pass/No pass). Rec Prep: Course Completion of FIRE 208.1 or FIRE 290.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 61 Fire Investigation (3 Units)
Students will learn about securing the fire scene and determining the origin and cause of the fire. Topics include responsibilities of a fire investigator, securing the fire ground, conducting an exterior and interior survey, analyzing fire patterns, interpreting individual fire patterns, discriminating the effects of explosions, examining and removing fire debris, reconstructing the area of origin and inspecting the performance of building systems. Upon successful completion of the course, the student will be awarded a Fire Investigation IA certificate from the State Board of Fire Services (SBFS).
Prerequisites/Corequisites: Course Completion of FIRE 72
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 69 S-290 Intermediate Wildland Fire Behavior (2 Units)
An intermediate course designed to provide the student with wildland fire behavior knowledge applicable for safe and effective wildland fire management activities. Upon successful completion, students will be awarded a S-290 certificate from the State Board of Fire Services. Limits on Enrollment: S-190 or equivalent
Prerequisites/Corequisites: Must complete FIRE 71 or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 71 Fire Protection Organization (3 Units)
This course provides an overview to fire protection and emergency services, career opportunities in fire protection and related fields; culture and history of emergency services, fire loss analysis; organization and function of public and private fire protection services; fire departments as a part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, introduction to fire strategy and tactics and life safety initiatives. (Grade Only) Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 72 Fire Behavior and Combustion (3 Units)
Theory and fundamentals of fire ignition, extension, behavior and control. An in-depth study of fire chemistry, fire characteristics of materials, extinguishing and fire control techniques. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 73 Fire Prevention Technology (3 Units)
Students will learn the fundamentals relating to the field of fire prevention. This course includes the history and philosophy of fire prevention, organization of a fire prevention bureau, use and application of codes and standards, plans review, fire inspections, fire and life safety education, and fire investigations.
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 74 Fire Protection Equipment and Systems (3 Units)
An in-depth study of the systems used to provide built-in fire protection to structures including water distribution systems, fire detection and alarm systems, smoke management systems, fire pumps, automatic fire sprinkler systems, residential fire sprinkler systems, standpipe and hose systems, special extinguishing systems and portable fire extinguishers. Rec Prep: Completion of FIRE 71.
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 76 Building Construction for Fire Protection (3 Units)
This is a California State Fire Training (SFT) mandated course that identifies the different types of elements of construction and design that affect structural firefighting. Student will study the components of building construction that relate to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at fires. The development and evolution of building and fire codes, and studies in relationship to past fires in residential, commercial, and industrial occupancies. There is one physical or virtual site visit required for both classroom and online offerings. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 77 Hazardous Materials for Public Safety (3 Units)
In this course, students will engage in a comprehensive study of the emergency response to hazardous materials (hazmat) incidents based upon NFPA 470, Title 29 Federal Code of Regulations CFR 1910.120, and CCR Title 8 § 5192. Topics that will be covered are basic hazardous materials legal requirements; hazard recognition and safety; terrorism recognition and response; use of the Emergency Response Guidebook (ERG); hazardous materials properties and effects; hazardous material classification; chemical monitoring equipment; reference materials and databases; isolation and notification requirements; incident planning, organization, command and scene management; response training levels, tactics and strategies; Personal Protective Equipment (PPE); countermeasures; protective actions; decontamination, documentation, and disposal requirements. Students who are successful in the requirements of the course and state testing will receive certificates in Hazardous Materials First Responder Operations (FRO), FRO Decontamination, FRO Weapons of Mass Destruction (WMD), and Hazardous Materials Incident Command (IC) from the California Specialized Training Institute (CSTI). CSTI provides Pro Board certification for FRO and Hazardous Materials IC. CSTI requires all state certification exams and skill evaluations to be in-person. Students can participate in the class without state certification but must be present to take the exams. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 78 Principles of Fire and Emergency Services Safety-Survival (3 Units)
This course introduces students to the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services regarding first responder deaths and injuries. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 80 Human Resource Management for Company Officers (2 Units)
An overview of the use of human resources to accomplish assignments, evaluating members performance, supervising personnel and integrating health and safety plans, policies and procedures into daily activities as well as the emergency scene. Upon successful completion, the student will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of FIRE 208.1 OR FIRE 290
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 81 Fire Administration for Company Officers (1 Units)
An overview of the general administrative functions and the implementation of department policies and procedures and conveying the fire department's role, image and mission to the public. Upon successful completion, the student will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 or ESL 100 or equivalent. Limits on Enrollment: Certified Fire Fighter II through CA State Fire Training
Prerequisites/Corequisites: Course Completion of FIRE 208.1 or FIRE 290 (Completion of basic fire academy or equivalent as determined by the Dean of Public Safety Instruction.)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 82 Fire Inspections and Investigations for Company Officers (2 Units)
An overview of the information necessary to conduct inspections, identify hazards and address violations, performing a fire investigation to determine preliminary cause and to secure the incident scene and preserve evidence. Upon successful completion, the student will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Certified Fire Fighter II through CA State Fire Training
Prerequisites/Corequisites: Course Completion of FIRE 208.1 or FIRE 290 (Completion of basic fire academy or equivalent as determined by the Dean of Public Safety Instruction)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 83 All Risk Command Operations for Company Officers (2 Units)
An overview of the information necessary to conduct incident size-up and the development and implementation of initial plan of action involving single and multi-unit operations for various types of emergency incidents as well as mitigating the situation following agency safety procedures, conducting pre-incident planning and developing and conducting a post-incident analysis. Upon successful completion, the student will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Certified Fire Fighter II through CA State Fire Training
Prerequisites/Corequisites: Completion of FIRE 85 AND FIRE 91 or equivalent as determined by the Dean of Public Safety Instruction
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 84 Wildland Incident Operations for Company Officers (2 Units)
An overview of the information necessary to evaluate and report incident conditions, analyze incident needs, develop and implement a plan of action to deploy incident resources, completing all operations to suppress a wildland fire, establishing an incident command post, creating an Incident Action Plan (IAP), and completing incident records and reports. Upon successful completion, the student will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Certified Fire Fighter II through CA State Fire Training
Prerequisites/Corequisites: Course Completion of FIRE 69 AND FIRE 83 or equivalent as determined by the Dean of Public Safety Instruction
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 85 Hazardous Materials Incident Commander (2 Units)
A study of the emergency response to Hazardous Material (Hazmat) incidents with an emphasis on the role of the Incident Commander (IC) as defined by OSHA Hazardous Waste Operations and Emergency Response (Hazwoper) regulations, including basic hazardous materials chemistry, regulations, the tactics and strategy of mitigation, decontamination, and scene management. Upon successful completion, students will receive a certificate in Hazardous Materials IC from the California Specialized Training Institute (CSTI). Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of FIRE 208.1 or FIRE 290 (Completion of basic fire academy or equivalent as determined by the Dean of Public Safety Instruction.)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 86A Fire Service Instructor I (2 Units)
This course provides the skills and knowledge necessary for the entry level professional instructor to perform his or her duties safely, effectively, and competently. The curriculum is based on the 2012 edition of National Fire Protection Association (NFPA) 1041 Standard for Fire Service Instructor Professional Qualifications. At the end of this course, candidates for Fire Service Instructor I certification will be able to teach and deliver instruction from a prepared lesson plan utilizing instructional aids and evaluation instruments. The Fire Service Instructor I will also be able to adapt a lesson plan and complete the reporting requirements to the local jurisdiction. This Company Officer course is one of a series required for Company Officer Certification by California State Fire Training. Upon successful completion, the student will be awarded a certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Certified Fire Fighter II through CA State Fire Training
Prerequisites/Corequisites: Course Completion of FIRE 71 (Completion of basic fire academy or equivalent as determined by the Dean of Public Safety Instruction.)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 86B Fire Service Instructor II Instructional Development (1 Units)
This course provides the skills and knowledge necessary for the intermediate level professional instructor to perform his or her duties safely, effectively, and competently. The curriculum is based on the National Fire Protection Association (NFPA) 1041 Standard for Fire Service Instructor Professional Qualifications. At the end of this course, candidates for Fire Service Instructor II certification will be able to develop lesson plans and evaluation instruments, teach and deliver instruction, and evaluate and coach other instructors. The Fire Service Instructor II will also be able to analyze resources and formulate a program budget. Upon successful completion, the student will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of FIRE 86A or equivalent as determined by the Dean of Public Safety
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 86C Fire Service Instructor III Instructional Program Management (1 Units)
This course provides information on planning, developing and implementing comprehensive training programs and curricula. Topics include instructional development, program management, program and instructor evaluation and test reliability and validity. The curriculum is based on the 2015 edition of National Fire Protection Association (NFPA) 1041 Standard for Fire Service Instructor Professional Qualifications. Upon successful completion, the student will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of FIRE 86B or equivalent as determined by the Dean of Public Safety
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 90 Firefighting Tactics and Strategy (3 Units)
An in-depth analysis of the principles of fire control through utilization of personnel, equipment, pre-planning fire problems, extinguishing agents and fire command and control procedures on the fire ground. Topics include a review of fire chemistry, methods of fire attack, rescue, exposure protection, confinement, overhaul, ventilation, property conservation, post fire analysis and command procedures. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of FIRE 71
Transferability: Transferable to CSU
Grading Type: Letter

FIRE 91 ICS-200 Basic Incident Command System (1 Units)
The course prepares the student to serve as a fire officer by introducing them to the principles of the Incident Command System (ICS) associated with incident related performance. Topics include leadership and management, delegation of authority, the concept of Management-By-Objectives (MBO), functional areas and positions, briefings, organizational flexibility, transitions and transfer of command. The course is required for State Fire Training (SFT) Company Officer certification. Upon successful completion, students will receive a certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Students are required to complete FEMA online courses including IS-100, IS-700 and IS-800.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FIRE 99I Fire Technology Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Prerequisites/Corequisites: Course Completion of FIRE 208.1 OR Course Completion of FIRE 290
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

FIRE 101 Professional Training and Continuing Education for Fire Serv (0.25-9.5 Units)
This in-service fire training course updates, improves, and assesses the knowledge, skills, and abilities of fire crews. Students will be provided current knowledge and techniques needed to maintain and improve fire service skills. Topics may include fire service administration, suppression, emergency medical services, fire prevention, wellness and fitness, rescue, leadership/management, and command and control. During the course students complete Paramedic and/or Emergency Medical Technician (EMT)-1 recertification and continuing education, wildland/urban interface training. Other topics include hazardous materials, weapons of mass destruction, Motor Vehicle Incident (MVI) Mass Casualty Incident (MCI) training, Aircraft Rescue Firefighting (ARFF), and incident command position responsibilities. This course satisfies annual mandatory continuing education requirements of local Fire Agencies, Sonoma County Health Department, the California State Fire Marshal's Office, and appropriate sections of the California Code of Regulations. It is designed for individuals required to update in current laws or recent changes to federal, state, or local mandates. This course will also cover current skills and topics related to public safety training. Rec Prep: Course Completion or Concurrent Enrollment in FIRE 290. Limits on Enrollment: Current firefighter or affiliated firefighter
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

FIRE 107.1 Volunteer Firefighter Skills (1.5 Units)
Students will get an overview of both manipulative and technical firefighting operations and procedures necessary to safely function as a volunteer firefighter. This course is designed to be a pathway for meeting many of the requirements for California State Firefighter I certification. Limits on Enrollment: 1. Medical Clearance Form signed by a physician \ 2. Signed Copy of Code of conduct\ 3. Signed Copy of Release Waiver Agreement
Grading Type: Letter, Pass/No-Pass

FIRE 107.2 Advanced Volunteer Firefighter Skills (4 Units)
An extended format course of advanced operations designed to provide the student with an overview of both manipulative and technical firefighting operations and procedures necessary to safely function as a volunteer firefighter. This course is designed to be a pathway to meet many of the requirements for California State Firefighter I certification including Hazardous Materials First Responder, State Fire Training Confined Space Awareness, ICS-200, Title 22 First Aid and National Wildfire Coordinating Group S-130, 131 and 190.
Grading Type: Letter, Pass/No-Pass

FIRE 206 Wildland Firefighter Academy (1.25 Units)
An intensive study of wildland firefighting, fire control strategy and tactics, mobile attack, wildland hose lays and handline construction and wildland safety and survival, and a field skills day is included with live fire operations. Course also includes two overnight sessions. Students must adhere to the same dress, rules and conduct as prescribed in the Firefighter I Academy. Upon successful completion, students will be eligible to apply for a CAL FIRE Basic Firefighter Certificate.
Prerequisites/Corequisites: Course Completion of FIRE 208.1 OR FIRE 290 or equivalent as determined by the Dean of Public Safety Instruction
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

FIRE 208 Introduction to Firefighter Academy (1.5 Units)
A study of the knowledge and skills required to be successful in the Firefighter I Academy including hose handling, knot tying, the use of self-contained breathing apparatus (SCBA), use of fire department ground ladders and physical training. Students will also be introduced to the code of conduct required in a fire academy setting and background investigations used in the fire service hiring process. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter, Pass/No-Pass

FIRE 208.4 Firefighter 1 Capstone Training (1 Units)
This course prepares students to meet the California State Fire Training (SFT) requirements for IFSAC/Pro-Board Firefighter I (FFI) including the capstone cognitive and psychomotor skills necessary to pass FFI. FFI includes three modules: Firefighter 1A, Structural; Firefighter 1B, Hazmat First Responder Awareness (FRA)/First Responder Operations (FRO); and Firefighter 1C, Wildland. Upon successful completion, students will receive a class completion certificate and signed copies of their Firefighter I Skills Testing Summary sheets (completed during testing) from the college. SFT cognitive tests will give an immediate pass or fail upon completion of the test. Limits on Enrollment: This course consists only of the SFT/IFSAC/Pro-Board Firefighter I Certification Test process. Prior to attending this class, students must complete all FFI training including the hourly requirements found in the SFT FF1 current Course Plans. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

FIRE 208.5 Firefighter II Capstone Training (0.5 Units)
In this course, students will prepare to meet the State Fire Training (SFT) requirements for Firefighter II (FFII) including the capstone knowledge and skills necessary to pass. Upon successful completion, students will receive a pass letter from SFT. Limits on Enrollment: Completion of all SFT Lecture and Activity requirements as identified in the FFII Course Plan. Must possess a SFT FFI certificate.
Grading Type: Letter, Pass/No-Pass

FIRE 208.6 Firefighter Capstone Testing (1-1.5 Units)
Students will be prepared to meet the California State Fire Training (SFT) requirements for International Fire Service Congress (IFSAC)/Pro-Board Firefighter I (FFI) including the capstone cognitive and psychomotor skills necessary to pass FFI. FFI includes three modules: Firefighter 1A, Structural; Firefighter 1B, Hazmat First Responder Awareness (FRA)/First Responder Operations (FRO); and Firefighter 1C, Wildland. Upon successful completion, students will receive a class completion certificate and signed copies of their Firefighter I Skills Testing Summary sheets (completed during testing) from the college. SFT cognitive tests will give an immediate pass or fail upon completion of the test. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.. Limits on Enrollment: This course is for the SFT/IFSAC/Pro-Board Firefighter I and 2 Certification Test processes. Prior to attending this class, students must complete all pre-requisites and complete waiver of liability.
Prerequisites/Corequisites: Course Completion of FIRE 71, FIRE 208, FIRE 99I and EMC 100.
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

FIRE 241 Driver Operator 1A (1.5 Units)
This course provide students with the information on fire apparatus preventive maintenance and driving/operating. Students will learn about and practice routine tests, inspections and servicing functions, operation, backing, maneuvering and turning apparatus under a variety of conditions and operation of all fixed systems on a fire apparatus. The course is based on the National Fire Protection Association (NFPA) 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. The course fulfills the requirements for a Class C Firefighter Endorsement. Upon successful completion, students will be awarded a completion certificate from the State Board. Limits on Enrollment: Enrollment in this course is limited to students who currently possess a valid Class C California driver license as required by the California Vehicle Code.
Grading Type: Letter, Pass/No-Pass

FIRE 258 Fire Apparatus 1B, Pumping Apparatus Operations (1 Units)
Students will learn about pumping apparatus, preventive maintenance, and operations. Topics include routine tests, inspections and servicing functions, hand method for pumping, master and foam fire streams, relay pump operations and supplying water to sprinkler and standpipe systems. This course is based on National Fire Protection Administration (NFPA) 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. Upon successful completion, students will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Course Completion of FIRE 71 or equivalent. Limits on Enrollment: Must have a valid Class C California State Driver's license and completion of Office of the State Fire Marshal Firefighter I and Driver Operator IA training as determined by the Dean of Public Safety Instruction.
Grading Type: Letter, Pass/No-Pass

FIRE 280 Structural Firefighting Dynamics (0.25 Units)
This course is designed to develop the fundamental skills necessary to combat structure fires by exposing students to real fire behavior scenarios. During the course, students will review topics such as flashover, roll over, reading smoke, flow path and ventilation as it pertains to fire behavior and modern suppression techniques.
Prerequisites/Corequisites: Course Completion of FIRE 208.1 or FIRE 290
Grading Type: Letter, Pass/No-Pass

FIRE 283 CA-219 Firing Operations (0.5 Units)
An intermediate course designed to meet the training needs of Firing Boss (FIRB) as outlined in the Wildland Fire Qualifications System Guide and the position Task Book developed for the position. Students will be engaged in strenuous, live firefighting activities working with hand tools in elevated temperatures often exceeding 90 degrees. Upon successful completion, students will be awarded an S-219 certificate from the State Board of Fire Services (SBFS). Limits on Enrollment: Students must provide medical clearance and or a clearance letter from their agency. Must have the following Fire certificates: ICS-200, RT-130, S-230 and S-290.
Prerequisites/Corequisites: Course Completion of FIRE 290 OR FIRE 208.1
Grading Type: Letter, Pass/No-Pass

FIRE 284 Truck Academy Operations (1.5 Units)
An intermediate course designed for veteran firefighters or other interested students who wish to enhance their knowledge and ability as it pertains to fire ground truck operations, tactics and strategy. Basic building and roof construction, vertical and horizontal ventilation, forcible entry, positive and negative ventilation, search and rescue, thermal imaging technology, firefighter safety and survival, rapid intervention tactics, elevator rescue, vehicle extrication and other related truck company operations will be discussed. Limits on Enrollment: Possession of a State issued Firefighter I Certificate or equivalent as determined by the Dean of Public Safety
Grading Type: Letter

FIRE 284.1 Residential Truck Academy (1 Units)
An intensive course designed for firefighters who wish to enhance their knowledge and ability as it pertains to residential fire ground truck operations, tactics and strategy. Topics covered include basic building and roof construction, fire behavior, reading smoke, establishing incident priorities, vertical and horizontal ventilation, forcible entry, building search and live fire exercises. Limits on Enrollment: Completion of an accredited Firefighter I Academy.
Grading Type: Letter, Pass/No-Pass

FIRE 285 Structural Firefighting in Live-fire Simulators (0.5 Units)
This course is designed to develop fundamental skills in combating structure fires by providing the students with a thorough understanding of fire behavior, ventilation procedures and techniques, interior and exterior fire attack using a live fire simulator. In many cases, this will be the firefighter's first exposure to live structural firefighting. Upon successful completion, the student will be awarded a completion certificate from the State Board of Fire Services. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Completion of FIRE 208.1 or FIRE 290 or equivalent as determined by the Dean of Public Safety
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

FIRE 290 Firefighter Academy (1-17.5 Units)
An intensive series of skills and knowledge needed for the entry level professional fire fighter to perform his/her duties safely, effectively and competently. Combined with Emergency Medical Technician, meets the educational requirements for Firefighter I and Firefighter II certification as established by the State Board of Fire Services. Course also includes two overnight sessions. Upon successful completion of the wildland component, students also receive a CAL FIRE Basic Firefighter Certificate. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Current Class \"C\" California Driver License. A Fire Program Medical Clearance Statement signed by a physician for participation in a rigorous fitness program and other physical activities including climbing, rappelling, carrying and lifting heavy equipment (65-100 lbs.), rescue/body drags (165 lbs.) and live fire exercises (crawling and pulling pressurized hose lines). Said statement is valid one year from the date of endorsement.
Prerequisites/Corequisites: Course Completion of FIRE 71 and EMC 100 and FIRE 208 (or their equivalent as determined by the Dean of Public Safety Instruction)
Grading Type: Letter

FIRE 708 Basic Fire/EMC Practices
Students will develop skills for manipulative and technical operations and procedures. Cognitive and psychomotor skills will be evaluated to enhance training in fire fighting, extrication, rescue, and emergency care. Student may use computer lab or simulators, psychomotor skills practice and performance practice to meet the standards of the course.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Floristry (FLOR)

FLOR 83A Beginning Floral Design (2 Units)
In this course, students will explore the fundamentals of design, techniques, and skills practiced in the florist industry. Includes designs, mechanics, guides to design; introduction to flower and foliage shapes and their use; cut flower care; corsage practice; containers and designer aids.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FLOR 83B Intermediate Floral Design (2 Units)
Students will apply the fundamentals of theory, techniques, and skills developed in Basic Floral Design to elaborate floral designs, containers, and flowers, with an emphasis on effective and efficient use of materials and speed.
Prerequisites/Corequisites: Course Completion of FLOR 83A (or FLORS 83A)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FLOR 105 Flowers to Wear and Carry (1 Units)
Students will design and construct floral arrangements to wear and carry including corsages, hand-held bouquets, boutonnieres, and wristlets. Students will learn a variety of techniques for constructing arrangements with diverse materials.
Prerequisites/Corequisites: Course Completion of FLOR 83A (or FLORS 83A)
Grading Type: Letter, Pass/No-Pass

FLOR 108 Display and Merchandising for Retail Florists (1 Units)
In this course, students will explore visual merchandizing and display for retail florists. Students will learn principles, fixtures and accessories for effective visual merchandising used by successful retail florists.
Grading Type: Letter, Pass/No-Pass

FLOR 112 Wedding Design (2 Units)
In this course, students will explore the principles, practices, and methods used by florists in designing and creating wedding arrangements.
Prerequisites/Corequisites: Course Completion of FLOR 83B (or FLORS 83B)
Grading Type: Letter, Pass/No-Pass

FLOR 113 Floral Tributes (2 Units)
Students will apply design theory and mechanics to design and create floral arrangements for sympathy occasions. Student arrangements will include design for casket covers, standing and flat sprays, set work, sympathy arrangements, and lid pieces. Delivery and set-up will also be discussed. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of FLOR 83B (or FLORS 83B)
Grading Type: Letter, Pass/No-Pass

FLOR 114 Retail Flower Business Management (3 Units)
In this course, students will explore aspects of owning/managing a flower business. This course covers advertising and merchandising, refrigeration, shrinkage, wire services, simple bookkeeping, permits and licenses, and management and personnel procedures as applied to floral industry. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

FLOR 116 Identification and Handling of Flowers, Foliages and Plants (2 Units)
Identification, care and handling of fresh flowers, foliage, and plants for individuals interested in working and advancing in the floral industry. Rec Prep: Course Completion of FLOR 83A; and eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

FLOR 183C Advanced Floral Design (2 Units)
In this course students will explore advanced design concepts including color theory, use of textures, and the practical application and construction of decorative and natural design styles. Students will also explore the care and use of tropical flowers and foliages.
Prerequisites/Corequisites: Course Completion of FLOR 83B (or FLORS 83B)
Grading Type: Letter, Pass/No-Pass

FLOR 187 European & Advanced Contemporary Floral Design (1 Units)
In this course, students will explore principles and techniques used in the design and construction of European and advanced contemporary floral arrangements.
Prerequisites/Corequisites: Course Completion of FLOR 83B (or FLORS 83B)
Grading Type: Letter, Pass/No-Pass

Foods and Nutrition (FDNT)

FDNT 10 Elementary Nutrition (3 Units)
Introduction to the basic principles of nutrition and the relationship of the human diet to health and lifestyle related diseases. Descriptions of individual nutrients, optimal daily intakes, and food sources. Discussions of factors that influence nutrient bioavailability, results of nutrient deficiencies and excesses, consumer nutrition food issues, reliable sources of food and nutrition information. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID NUTR 110
Grading Type: Letter
GE: AA/AS Area 5,AA/AS Area 8

FDNT 20 Cultural Aspects of Food and Nutrition (3 Units)
Students will learn about the cultural, historical, social, and geographic factors that influence global and regional food patterns and nutrition. Topics include traditional foods, food availability, health and healing practices, and the impact of acculturation and globalization. Students will explore dietary habits, religious practices, and socioeconomic influences, while also analyzing how food serves as an expression of cultural diversity and identity. Rec Prep: Course Completion for ENGL C1000 (formerly ENGL 1A) OR Course Completion EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Grading Type: Letter, Pass/No-Pass

FDNT 60 Nutrition and Physical Fitness (1 Units)
In this course students will examine contemporary findings in nutrition specifically related to performance in athletics and exercise. Students will perform computer analysis of calorie and nutrient intake and apply the results to improve and enhance performance, energy level, and general well-being. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

FDNT 62 Nutrition and Diet Therapy (3 Units)
Students will be introduced to nutrition and its role in health, disease risk reduction and treatment of disease. The course will include an overview of individual nutrients, optimal daily intakes, food sources and results of nutrient deficiencies and excess. Students will study nutrition therapy and its role in the prevention and treatment of common medical conditions such as diabetes, intestinal tract disorders and diseases of the liver and kidneys. Rec Prep: Course Eligibility for MATH 150A
Transferability: Transferable to CSU
Grading Type: Letter

FDNT 70 Introduction to Nutrition, Dietetics and Food Service (1 Units)
Professional roles, skills, responsibilities and opportunities in the fields of nutrition, dietetics and food service management. Introduction to the history of the profession, related government agencies, scientific literature and resources, and professional code of ethics. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

French (FREN)

FREN 1 Elementary French-Part 1 (4 Units)
Beginning elementary listening, speaking, reading and writing in French. Introduction to France and French-speaking cultures worldwide. Rec Prep: Eligibility for ENGL C1000 or equivalent or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

FREN 2 Elementary French-Part 2 (4 Units)
Elementary listening, speaking, reading, and writing in French. Exploration of France and French-speaking cultures worldwide. Continuation and expansion of French 1. Rec Prep: Eligibility for ENGL C1000 or equivalent or equivalent.
Prerequisites/Corequisites: FREN 1 or two years of high school French
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

FREN 3 Intermediate French-Part 1 (4 Units)
Speaking, reading and writing in French with discussions and essays to develop linguistic skill and cultural knowledge. Review of beginning linguistic and cultural content. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: FREN 2 or three years of high school French
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

FREN 4 Intermediate French-Part 2 (4 Units)
Speaking, reading and writing in French with discussions and essays to develop linguistic skill and cultural knowledge. Review and expansion of French 1-3. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: FREN 3 or four years of high school French
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

FREN 50A Conversation for Beginners-Part 1 (3 Units)
A beginning conversational French course designed to develop those listening and speaking skills needed at school, on the job, and in the community. Students participate in a variety of pronunciation, listening and conversational activities. An introduction to the core grammatical structures and vocabulary required for communication. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FREN 50B Conversation for Beginners-Part 2 (3 Units)
A continuation of beginning Conversational French course designed to improve listening and speaking proficiencies including development of core grammatical structures and vocabulary required for communication. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of FREN 50A or FREN 1 or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

FREN 50C Intermediate Conversation (3 Units)
An intermediate-level French conversation workshop designed to improve fluency through expansion of active vocabulary, attention to verb tense usage and oral practice. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of FREN 2 OR FREN 50B
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Geographic Information Systems (GIS)

GIS 40 Introduction to Geographic Information Systems (GIS) (4 Units)
The course introduces students to fundamental concepts of Geographic Information Systems (GIS). Topics include elements of GIS, data structures and their management, introductory input and output functions and mapping possibilities. Hands-on exposure to GIS technology through the use of computers and current industry standard software is provided during the laboratory. A working knowledge of the Microsoft Windows operating system and Microsoft Office is recommended.
Transferability: Transferable to UC
Grading Type: Letter

GIS 51 Intermediate Geographic Information Systems (GIS) (3 Units)
Students will be introduced to intermediate level concepts of Geographic Information Systems (GIS). Topics include GIS elements, data structures and their management, and intermediate raster and vector geoprocessing functions. The course covers technical mapping standards and cartographic display. Hands-on exposure to GIS technology through the use of computers and industry standard software is provided during the laboratory.
Prerequisites/Corequisites: Course Completion of GIS 40 and APTE 191
Transferability: Transferable to CSU
Grading Type: Letter

GIS 54 Data Acquisition in Geographic Information Systems (GIS) (4 Units)
Students will develop skills in the acquisition, conversion, integration, analysis, management, storage, and drafting of geospatial and attribute data for Geographical Information Systems (GIS).
Prerequisites/Corequisites: Course Completion or Current Enrollment in GIS 51
Transferability: Transferable to CSU
Grading Type: Letter

Geography (GEOG)

GEOG 3 World Regional Geography (3 Units)
In this course, students will focus on location and place; where diverse peoples and places are in the world, their similarities and differences, and reasons for their locations. Emphasis is placed on the interaction between the physical and human environments, culture, population, social and economic issues, historical influences, and the impact of globalization. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID GEOG 125
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

GEOG 4 Physical Geography (3 Units)
Physical Geography is an introduction to the study of the Earth and the processes that form and shape its physical features and landforms. Topics include Earth dimensions and motions, map reading and map use, Earth-Sun relationships, weather and climate, and tectonic and surface processes. Emphasis is placed on recognizing, describing, and interpreting the spatial distribution of Earth features and the processes that shape these features. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

GEOG 4L Physical Geography Lab (1 Units)
In this course, students will perform hands-on lab activities exploring Earth/Sun relationships, weather, climate, vegetation, rocks, plate tectonics, and landforms. Emphasis is placed on analysis and interpretation of maps, and the spatial distribution of Earth's features. This class is the lab component to Introduction to Physical Geography (GEOG 4). Field trip(s) may be required.
Prerequisites/Corequisites: Course Completion or Current Enrollment in GEOG 4
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5C

GEOG 7 Introduction to Human Geography (3 Units)
In this course, students will learn about human geography. Human geography is the study of the world and its people, communities, and cultures. Topics include human population, ethnicity, culture, agriculture, development and settlement patterns, and social, political, and economic systems. Emphasis is placed on spatial patterns and the interactions between humans and the natural environment.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

GEOG 10 Introduction to Weather and Climate (3 Units)
In this course, students will be given a descriptive introduction to the science of the atmosphere. Topics include relationships between Earth and Sun, temperature, moisture and stability, atmospheric pressure and wind, clouds and precipitation, weather systems, hurricanes and tornadoes, weather forecasting, climate patterns and climate change, air pollution, and atmospheric optics. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5A

GEOG 10L Weather and Climate Lab (1 Units)
In this course, students will use hands-on lab activities to explore weather and climate phenomena. This class is the lab component for Introduction to Weather and Climate (GEOG 10). Emphasis is placed on analysis and interpretation of weather reports, forecasts, surface weather maps, upper level air charts, satellite and radar imagery, and other remotely sensed data. Climate classification and climate data will also be included.
Prerequisites/Corequisites: Course Completion or Current Enrollment in GEOG 10
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5C

GEOG 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Geology (GEOL)

GEOL 1 The Earth (3 Units)
An introduction to rocks, minerals, landforms and the dynamic processes that shape the Earth. Course includes the study of plate tectonics, volcanoes, earthquakes, and surface processes such as streams, shorelines and glaciers. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

GEOL 1L Geology Lab (1 Units)
Students will learn to analyze maps, photos, and other data to interpret various geologic processes and landforms. Students will receive an introduction to Earth materials through the description and classification of minerals and rocks. Together with GEOL 1, this course fulfills the science with lab GE transfer requirement.
Prerequisites/Corequisites: Course Completion or Current Enrollment in GEOL 1
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5C

GEOL 2 Introduction to Oceanography (3 Units)
In this course, students will be introduced to the major geological, physical, chemical, and biological features and processes of the Earth's oceans. Topics will include the chemistry of ocean water, wave patterns, currents and tides, seafloor geology and bathymetry, and marine biology. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 (formerly ESL10) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

GEOL 7 Geology Field Trip (1-3 Units)
Investigation of the geologic features of various locations within California, through field study and observation. Destinations may include Yosemite, Long Valley Caldera, Point Reyes, Bodega Bay, Mt. Lassen, and the Modoc Plateau. Identification of rocks, minerals, landforms, geologic history, and geologic processes in the field. Course includes a four to five day field trip and strenuous hiking. Good overall health and fitness are recommended for anyone considering enrolling in this class.
Prerequisites/Corequisites: Course Completion of GEOL 1, GEOL 11 or PHSC 21
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

GEOL 11 Geology of California (3 Units)
Students will be introduced to geologic principles and processes that formed and continue to influence California's geologic and tectonic environment. This course provides an overview of the formation and interpretation of rocks, volcanoes, earthquakes, plate tectonics, and the geologic history of California. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

GEOL 20 Natural Disasters (3 Units)
Students will learn about various geologic processes and events that have direct, often sudden and violent impacts on societies and civilizations. Discussion will focus on causes, effects, and mitigation efforts for hazards such as earthquakes, tsunamis, volcanic eruptions, erosion and landslides, asteroid impacts, and drought. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

GEOL 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

German (GERM)

GERM 1 Elementary German-Part 1 (4 Units)
Introduction to German grammar and development of all language skills in a cultural context with special emphasis on communication. Not recommended for students who have successfully completed 2 years of high school German or equivalent within the past 3 years. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

GERM 2 Elementary German-Part 2 (4 Units)
Elementary German grammar and development of all language skills continued in a cultural context with special emphasis on communication. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: GERM 1 OR two years of high school German or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

GERM 3 Intermediate German-Part 1 (4 Units)
Speaking, reading and writing in German with discussions and essays to develop linguistic skill and cultural knowledge. Review of first-year linguistic and cultural content. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Three years of high school German OR GERM 2
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

GERM 4 Intermediate German-Part 2 (4 Units)
Speaking, reading and writing in German with discussions and essays to develop linguistic skill and cultural knowledge. Review and expansion of German 1-3. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Four years of high school German or GERM 3
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

GERM 50B Conversation for Beginners-Part 2 (3 Units)
A continuation of the beginning conversational course, German 50A, designed to improve those listening and speaking proficiencies needed at school, on the job, in the community and throughout the German-speaking world. Students participate in a variety of pronunciation, listening and conversational activities, furthering the development of the core grammatical structures and vocabulary required for communication. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of GERM 1 or GERM 50A
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Graphic Design (GD)

GD 15 History of Graphic Design (3 Units)
In this course students will explore the development of graphic design. The course is a broad survey of notable stages and accomplishments in the evolution of graphic design from prehistory to the present and examines how through the centuries particular cultures, movements, works and individuals affect graphic design today. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

GD 20 Introduction to Typography and Letterforms (3 Units)
Students will be introduced to typography for visual communication in graphic design. The class emphasizes the use of typography in the design process, including aspects of analytical and creative design through typical media, including: a brochure, poster, or magazine ad. Students will explore the evolution and classification of letterforms, as well as investigate features of structure, format, legibility, and expression. Exercises include both hand and digital skills, including hand lettering and experimental type, with an emphasis on the application of typography. Rec Prep: Course Completion or Concurrent Enrollment in GD 51.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

GD 51 Introduction to Graphic Design (3 Units)
In this course, students will be introduced to visual communications in the field of graphic design. The course includes: concept development, the creative design process, production, and presentation techniques through the development of design projects on various media, including beginning computer software skills. Emphasis will be placed on the application of basic design principles to graphic design problems in visual communications.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

GD 53 Design Techniques with Illustrator (3 Units)
An intensive graphic design course utilizing Adobe Illustrator as an essential tool for addressing creative design problems and solutions. Students learn the essentials of creating vector images through design problems including logo design, brand identity and digital illustrations, while utilizing essential graphic design principles.
Prerequisites/Corequisites: Course Completion of CS 71.11
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

GD 54 Principles of Layout and Design (3 Units)
This course focuses on the concept of layout design through project based learning. Topics covered include the design of: advertisements, editorial layouts, books, and digital publications. Students will learn to apply design principles to create effective layouts while using industry standard technology.
Prerequisites/Corequisites: Course Completion or Current Enrollment in CS 72.1A and GD 51
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

GD 60 Creating the Professional Portfolio (1.5 Units)
Students learn to prepare professional print, digital and web portfolios for graphic design, photography and art by using their own pre-existing 10-15 portfolio-ready pieces (to be approved by the instructor). This course teaches student how to navigate the job market, acquire essential interview skills, present their work, and develop network skills, resumes, self-promotion, and essential soft-skills. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

GD 62 Color Theory for Designers (1.5 Units)
Students will be introduced to the study of the principles, theories, and applications of additive and subtractive color in two dimensions.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

GD 65 Business Skills for Creatives (1.5 Units)
Whether you plan to run a graphic design company or work as a freelancer, understanding the nuts and bolts of running a creative business is essential. This course will cover business-related topics including initial set-up, project management, estimating and billing, record keeping and taxes, and marketing. Students will learn best practices for working with clients, vendors, and co-workers. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility for EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

GD 90 Designing the User Experience (3 Units)
Students in this course will focus on the user experience of the design elements of digital products such mobile apps, websites, games, voice and Artificial Intelligence (AI). Using specific design thinking processes and industry standard software, the focus on user experience will cover topics that include conducting user research, uncovering user pain points, ideating and evaluating new solutions, prototyping and testing solutions with real users and rapidly iterating. We learn to map poor user experiences to identify problems, quickly test ideas for improvement and build and refine user experiences that will surprise and delight the target users and turn them into raving fans. Preparation for jobs as a user experience (UX) designer, game designer, web designer, app designer, design team member or product manager will be covered. Rec Prep: Course Completion of GD 51.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

GD 145 Package Design (1.5 Units)
In this course students will learn how to use a variety of graphic tools, materials, and techniques to create three-dimensional (3D) package design that is innovative and functional. The course emphasizes the application of graphic design elements to various forms of package design. Areas of study will include the package design process, prototyping, material testing, crafting 3D models, brand awareness, container functionality and executing the final designs.
Prerequisites/Corequisites: Course Completion of GD 51
Grading Type: Letter, Pass/No-Pass

Health Care (HLC)

HLC 51 Introduction to Health Careers (2 Units)
In this course, students will focus on assessment and career research in the development of a healthcare career plan. Careers include, but are not limited to: Nursing, Nursing Assistant, Nutrition, Dental Hygiene, Dental Assisting, Medical Assisting, Radiologic Technology, and Pharmacy Technician. Emphasis is on identifying interests, personality testing values clarification, career information, research skills, individual skills assessment, decision making, communication, teamwork, inter-professional education, and goal setting specifically in the healthcare field. The course also covers healthcare job trends, education, and licensure requirements.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HLC 52 Introduction to Public Health (3 Units)
In this course, students will learn about basic concepts of public health, and the history and accomplishments of public health professionals and agencies. Topics will include the epidemiology and prevention of infectious and chronic diseases. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility of EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates; and Course Completion OR Concurrent Enrollment in HLE 5.
Transferability: Transferable to CSU
Grading Type: Letter

HLC 120 Health Careers Institute (3 Units)
In this course, high school students will be introduced to opportunities in healthcare careers through lecture, laboratory, and experiences in clinical settings. Careers include, but are not limited to: Nursing, Nursing Assistant, Nutrition, Dental Hygiene, Dental Assisting, Medical Assisting, Pharmacy Technician, and Radiologic Technology. Students will complete Cardiopulmonary Resuscitation (CPR), Question Persuade Refer (QPR), and First Aid trainings. The course also covers healthcare job trends, education, and licensure requirements. Limits on Enrollment: High School students must be current on following immunizations: MMR, Varicella-Zoster, Tdap, Covid-19 vaccination series and current TB clearance. Finger printing, drug testing and clean background clearance required. Proper paperwork must be completed and submitted to instructor prior to deadline as published in schedule.
Grading Type: Letter

HLC 140 Health Care Implications of Anatomy and Physiology (1.5 Units)
Students will learn about Implications of anatomy and physiology for patient care, including relationship of body structures and functions to health and disease. This course is designed as preparation for selected health sciences programs. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion or Current Enrollment in ANAT 140
Grading Type: Letter, Pass/No-Pass

HLC 160 Medical Terminology (3 Units)
In this course students will learn the basic foundation of medical terminology to work in health-related fields. This course will provide medical terminology for anatomy, physiology, diseases, medical procedures, treatment, and drugs for all the body systems.
Grading Type: Letter, Pass/No-Pass

Health Education (HLE)

HLE 5 Personal Health and Wellness (3 Units)
Students will examine current health issues and apply health behavior change theories to everyday life situations and decisions. Topics such as fitness, diet, stress, substance abuse, sexuality, personal safety, as well as environmental health are explored and discussed. Focus on student evaluation of practices and attitudes that affect their health status throughout life. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8

Heatng, Ventilatn, AC & Refrig (HVAC)

HVAC 101 Introduction to HVACR (3 Units)
This course introduces students to the residential Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) industry. Topics such as HVACR mechanical and electrical systems, equipment, diagnostic tools, HVACR formulas and math, jobsite safety, and basic thermodynamics will be covered. Students will also learn about career opportunities, codes and regulations, and industry certification requirements for HVACR technicians. Students with previous experience in the HVACR industry may be prepared for the more advanced HVACR courses. Contact the instructor or Department Chair for more information.
Grading Type: Letter, Pass/No-Pass

HVAC 102 Residential HVACR System Components (3 Units)
In this course, students will study the electrical and mechanical components of residential heating and air-conditioning systems, including system controls, motors, compressors, refrigerants, and sensors. This course prepares students for the Environmental Protection Agency's EPA 608 examination for safe refrigerant handling. Students with previous experience in the HVACR industry may be prepared for the more advanced HVACR courses. Contact the instructor or Department Chair for more information. Rec Prep: Course Completion or Concurrent Enrollment in HVAC 101 (or HVACR 101)
Grading Type: Letter, Pass/No-Pass

HVAC 103 Residential Heating, Airflow and Ventilation (3 Units)
In this course, students will learn about common residential heating systems, including heat pumps, furnaces, and boilers. Students also learn about airflow, Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) system load calculations and combustion analysis. Students with previous experience in the HVACR industry may be prepared to enroll directly in HVACR 103. Contact the instructor or Department Chair for more information. Rec Prep: Completion or concurrent enrollment in HVAC 101 and HVAC 102.
Grading Type: Letter, Pass/No-Pass

HVAC 104 Air-Conditioning and Refrigeration Systems (3 Units)
In this course, students will learn about installation, commissioning, maintenance of residential air-conditioning systems, and maintenance and repair of foodservice refrigeration. Students will also be introduced to commercial air-conditioning equipment as a means of reinforcing topics related to refrigeration and to preview more advanced careers in the Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) industry. Students with previous experience in the HVACR industry may be prepared to enroll directly in HVACR 104. Contact the instructor or Department Chair for more information. Rec Prep: Completion or concurrent enrollment in HVAC 101 and HVAC 102.
Grading Type: Letter, Pass/No-Pass

HVAC 105 Commercial Refrigeration and Ice Machines (4 Units)
In this course, students will study and service commercial refrigeration, residential refrigeration, and ice-making machines.
Prerequisites/Corequisites: Course Completion of HVAC 102 (or HVACR 102)
Grading Type: Letter

HVAC 106 HVAC Controls, Theory and Terminology (3 Units)
In this course, students will perform an intermediate study and investigation of commercial and residential Heating, Ventilation, and Air Conditioning (HVAC) control systems.
Prerequisites/Corequisites: Course Completion of HVAC 102 (or HVACR 102)
Grading Type: Letter

HVAC 107 EPA and OSHA for HVACR (3 Units)
In this course students will be introduced to the Occupational, Safety and Health Administration's 10 training course (OSHA 10) educating entry-level workers in construction and construction-related jobs to the basic practices of identifying, reducing, eliminating, and reporting hazards associated with their work. Students who pass the exam at the end of the course are eligible to receive the OSHA 10-Hour Construction Industry Outreach Department of Labor (DOL) course completion card. Students will acquire the technical skills to complete the Section 608 of the Federal Clean Air Act "EPA (Environmental Protection Agency) Certification Program". They will study types of refrigerants, practical refrigerant recovery, recycling, evacuation, and recharging. A written board approved exam will be administered within the course whereupon students who successfully pass with 72% or higher will earn the Section 608 EPA Universal Certification.
Prerequisites/Corequisites: Course Completion of HVAC 102 (or HVACR 102)
Grading Type: Letter

History (HIST)

HIST 1.1 World History to 1500 C.E. (3 Units)
In this course, students will explore the history of global connections, with a particular emphasis on the growth of civilizations and the inter-relationships of the peoples of Asia, Africa, Europe, and the Americas from the earliest societies to 1500 C.E.. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID HIST 150
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HIST 1.2 World History Since 1500 C.E. (3 Units)
In this course, students will explore the history of global connections, with a particular emphasis on the inter-relationships of the peoples of Asia, Africa, Europe, and the Americas from 1500 C.E. to the 21st Century. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID HIST 160
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HIST 4.1 History of Western Civilization to 1648 C.E. (3 Units)
In this course, students will be introduced to a survey of Western Civilizations to 1648 C.E. The course begins with the Ancient Near East, and includes the study of ancient Greece, ancient Rome, the Middle Ages, the Renaissance and the Reformation. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID HIST 170
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HIST 4.2 History of Western Civilization from 1648 C.E. (3 Units)
A survey of European history from 1648 C.E. to the present. The course includes the study of the Scientific Revolution, the Enlightenment, the French Revolution and Napoleon, the Industrial Revolution, World War I, Communism, World War II, the Cold War, and globalism. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID HIST 180
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HIST 5 History of the Modern Middle East (3 Units)
Students will be introduced to the history of the Middle East focusing on the regional and international influences that have shaped the area over the last two centuries. The course begins with an overview of the pre-modern period before turning to political, social, cultural, and economic issues of the modern era. Topics include the Arab-Israeli conflict, the power of oil, the preoccupation with authoritarian rule, challenges to social and economic development, the rise of Islamic political movements, and the role of outside powers in shaping the region. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 6 The Holocaust (3 Units)
In this course, the student will study the history and events of the Holocaust, including the birth of Antisemitism, the rise of Adolf Hitler and the Nazi Party, World War II (WWII), the Final Solution, the Nuremberg Trials, and aftermath. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 8.1 History of Latin America from Pre-Columbian to 1830 (3 Units)
In this introductory course, students will survey Latin American history from pre-Columbian times to the 1830s. This course will examine the history of Indigenous societies, the development of the European colonial system, and subsequent independence movements. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 8.2 History of Latin America from 1830 to Present (3 Units)
Students will be introduced to a survey of Latin American history from the early 19th century to the present. This course will analyze the convergence of different ethnic groups and their contributions to the new socio-political systems that developed after independence, the intervention of the United States in these countries, neo-colonialism, and specific revolutionary movements in Mexico, Cuba, Chile, Nicaragua and El Salvador. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 18.1 History of Women in the United States to 1877 (3 Units)
An in-depth historical study of the political, economic, cultural, and social developments of women in the United States to 1877. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,AA/AS Area 4,AA/AS Area 7,Cal-GETC Area 4

HIST 18.2 History of Women in the United States Since 1877 (3 Units)
An in-depth historical study of the political, economic, cultural, and social developments of women in the United States since 1877. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,AA/AS Area 4,AA/AS Area 7

HIST 20 History of the US Since 1945 (3 Units)
This course will explore the political, economic, and social history of America from 1945 to the present including the United States' role in the Cold War and post-Cold War eras. Domestic trends examined will include the expanding consumer society, the rise of social movements, and the response of neo-conservatism. Additionally, the course will focus on America's relationship to the larger world including battling post 9-11 terrorism, participation in the Middle East conflict, globalization and dealing with climate change. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 21 Race, Ethnicity and Gender in American Culture (3 Units)
An examination of the interrelated roles of race, ethnicity and gender in shaping political and cultural institutions in the United States. From pre-Columbian times to the present, the course will explore and analyze the experiences, contributions, and interconnectedness of African, Asian, European, Latino and Native American peoples. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 22 History of California (3 Units)
Students will undertake a broad survey of California history from the precolonial period to the present. The course will examine the distinct contributions and interactions of diverse peoples and environments. Special attention is given to how political power is shaped by race, gender, class, and ethnicity in different periods of the state's history. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4

HIST 24 United States Environmental History (3 Units)
In this introductory course, students will learn the ways in which the physical environment influenced and was influenced by humans and their interaction with the nonhuman world. Course topics include the history of ecology; Native American ecology; agricultural history; human perceptions of nature; the environmental impact of industrialization; the preservation, conservation, and environmental movements; and environmental racism. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,AA/AS Area 4,Cal-GETC Area 4

HIST 26 History of Chicanx and Latinx from 1400 to the Present (3 Units)
In this course, students will examine Mexican, Chicanx, and Latinx experiences in the U.S. and their political, economic, social, and cultural contributions and adaptations from pre-Columbian times to the present United States. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 30 African American History (3 Units)
In this course, students will examine major topics and themes in African American history from its beginnings through the present day. We will survey both the struggles and triumphs of African Americans and their lasting influence on the economic, political, and cultural development of the United States. Topics will include West Africa and the Black Diaspora; the Transatlantic slave trade; chattel slavery; rebellion and resistance; the rise of Jim Crow; African Americans in the arts and media; Civil Rights; Black Power; Black Feminist Movements; and Black Activism in the 21st century. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 33 History of Mexico (3 Units)
Study of Mexican social, political and economic history from the Pre-Columbian era to the present. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

HIST 1001 (HIST C1001) United States History to 1877 (3 Units)
This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID HIST 130
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,AA/AS Area 4,AA/AS Area 7,Cal-GETC Area 4

HIST 1002 (HIST C1002) United States History since 1865 (3 Units)
This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID HIST 140
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,AA/AS Area 4,AA/AS Area 7,Cal-GETC Area 4

Horticulture (HORT)

HORT 8 Landscape Plants: Summer/Fall (3 Units)
Students will learn identification, growth habits, culture, and ornamental use of landscape and indoor plants adapted to climates of California with emphasis on the need for sustainable landscaping and water-wise plants. This course emphasizes plant species that perform well in local regions and are best observed and studied in the summer and fall of the year. Students will use current cloud-based resources to explore and develop plant identification and selection skills. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

HORT 12 Landscape Plants: Winter/Spring (3 Units)
Students will learn identification, growth habits, culture, and ornamental use of landscape and indoor plants adapted to climates of California with emphasis on the need for sustainable landscaping and water-wise plants. This course emphasizes plant species that perform well in local regions and are best observed and studied in the winter and spring of the year. Students will use current cloud-based resources to explore and develop plant identification and selection skills. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

HORT 51 Introduction to Horticulture (3 Units)
In this class, students will explore the art and science of environmental horticulture. The course emphasizes applied plant science including plant propagation, landscape management, and specialty crop production. Topics include: basic botany; plant identification and classification; horticultural practices; propagation; structures and layout; pest management; planting; container gardening and houseplants; landscape design; floral design; turfgrass installation and care, and a survey of career opportunities in the industry. This course may include field trips.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HORT 56 Horticultural Enterprise Project (2-4 Units)
In consultation with instructor, student will select a specific agricultural/horticultural crop, commodity, or product and develop an enterprise project, using resources at District or other locations (with instructor's consent). Projects involve field experience in production and management techniques, marketing methods, and eventual sale of the chosen agricultural/horticultural crop, commodity, or product. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Completion or concurrent enrollment in HORT 70 OR HORT 71 OR HORT 72 OR HORT 91 OR HORT 93
Transferability: Transferable to CSU
Grading Type: Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

HORT 70 Plant Propagation (3 Units)
In this course, students will discover plant propagation and production practices with emphasis on nursery operations including: sexual and asexual reproduction, planting, transplanting, fertilizing, plant pest and disease control, structures and site layout, preparation and use of propagating and planting mediums, use and maintenance of common tools and equipment, and regulations pertaining to plant production.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HORT 71 Nursery Production (3 Units)
In this course, students will learn about planning, development, and operation of a plant nursery. Topics include: production techniques, growing media, watering, fertilization, marketing, and sales.
Transferability: Transferable to CSU
Grading Type: Letter

HORT 72 Techniques in Plant Propagation (2 Units)
In this course, students will study and apply plant propagation concepts and techniques used for seeds, cuttings, layering, and grafting. Course topics include relationships of: light, temperature, moisture, aeration, humidity, and fertility. Students will propagate a variety of climate-appropriate plants such as annuals, perennials, woody plants, native plants, low-water use plants, cut flowers, and specialty crops.
Transferability: Transferable to CSU
Grading Type: Letter

HORT 80 Sustainable Landscape Management (3 Units)
This course prepares students to evaluate and improve the function and aesthetic value of public and private landscapes by applying appropriate maintenance techniques. Topics include planting, pruning, watering, soil fertility, pest management, weed control, proper use and care of hand tools, and basic landscape maintenance business practices. Sustainable landscape practices will be emphasized throughout the course.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HORT 91 Landscape Construction/Estimation (3 Units)
Introduction to the field of landscape contracting, including cost estimating and bidding procedures. Course includes hands-on experience with tools, materials, and methods used in the construction of wood and simple concrete and masonry landscape features. This course also prepares students for the C-27 landscape contractor's licensing exam and national industry certification. This course requires students to: walk, stand, crouch for long periods of time and carry out strenuous physical tasks; work with hand tools, power tools, and landscape materials; work outdoors in various conditions including heat, humidity, rain, dust, noise, and cold; and lift up to 50 pounds repeatedly within a 3 hour period. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HORT 93 Landscape Drafting and Design (3 Units)
In this course, students will practice landscape drafting and design techniques for producing scaled plan-view and elevation drawings, construction details, and landscape plans. This course includes: steps and sequence in the design process; design themes, principles, and elements; general plant selection and usage; and client-designer relations. Drafting equipment required.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HORT 133 Current Topics in Horticulture (1 Units)
This course encompasses an exploration of selected horticultural issues. The intent is to broaden student perspective beyond textbooks for understanding the most current horticultural industry practices that are related to new technology, products or management procedures. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

HORT 144 Landscape Irrigation (3 Units)
Students will learn to design, install, maintain, and audit water-efficient landscape irrigation systems. The course will introduce concepts of water supply, hydraulics, component identification and terminology, system layout and pipe sizing. Types of valves, heads, controllers, and practices related to sustainable landscapes in California will be emphasized. Students who pass the final exam with a grade of 75% or better will be recognized as having completed the Qualified Water-Efficient Landscaper (QWEL) training program.
Grading Type: Letter, Pass/No-Pass

HORT 184 Introduction to Arboriculture (3 Units)
In this course, students will explore the principles of urban forestry, careers in arboriculture and tree care, and basic tree biology. Students will also be introduced to tree identification, plant health care, soils, nutrition, planting, worker safety, climbing, pruning, tree risk assessment, and tree care tools and equipment. The course emphasizes the knowledge necessary to be successful in the tree care profession. This course also prepares students for the International Society of Arboriculture's (ISA) Arborist Certification examination (note that industry experience is also required to register for the exam). Field lectures on the SRJC campus and/or other locations may be required. Rec Prep: Course Completion of HORT 51Course Completion of HORT 51.
Grading Type: Letter, Pass/No-Pass

HORT 195 CAD: Landscape Site Plans (3 Units)
In this course, students will be introduced to computer-assisted landscape drafting utilizing Computer-Aided Drafting (CAD) software to produce professional quality landscape site plans for residential and small commercial sites. Particular attention given to drafting base plans, building footprints, and other simple hardscape features, planting bed lines, plant symbolization and irrigation plan layout. Rec Prep: Course Completion of APTE 46.
Prerequisites/Corequisites: Course Completion of HORT 93
Grading Type: Letter, Pass/No-Pass

HORT 196 CAD: Advanced Landscape Design (3 Units)
Intermediate to advanced application of Computer-Aided Drafting (CAD) software towards production of professional quality landscape site plans for residential and small commercial sites. Particular attention is given to drafting construction documents such as planting plans and legends, irrigation plans, lighting plans, and construction detail drawings. This course builds upon skills learned in HORT 195. Rec Prep: Course Completion of APTE 46.
Prerequisites/Corequisites: Course completion of HORT 195
Grading Type: Letter, Pass/No-Pass

Hospitality (HOSP)

HOSP 50 Introduction to Tourism in Sonoma County (1 Units)
Students will receive an overview of the tourism industry in Sonoma County and its critical role in the economy. Students acquire information, resources, and experiences to enhance visitors' experiences and increase tourism activity for the county, a private business, or an employer. Students learn the elements of tourism value, Sonoma County history, customer service, and Sonoma County resources. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HOSP 53 Customer Service (1.5 Units)
This course is an introduction to principles and techniques for delivering outstanding customer service. It also covers the attributes of customer service-oriented businesses and development of appropriate customer service skills. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HOSP 54 Customer Relations for the Hospitality Industry (1.5 Units)
This course covers the concepts and skills for providing outstanding customer relations including problem solving, effective communications, dealing with challenging customers, and cultural components of customer interactions service excellence. It also discusses customer relations goals, the importance of customer relations to business success, and current trends and practices. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates; and Course Completion or Concurrent Enrollment in HOSP 53.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HOSP 58 Meeting and Event Planning (3 Units)
This course covers the basics of event planning and management, including research, design, event coordination documentation, venue evaluation, catering, and marketing for all types of events. The students will be introduced to the logistical know-how and theoretical understanding needed to enter the field of meeting planning with the essential knowledge needed to excel in this rapidly growing sector of the hospitality industry.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HOSP 63 Introduction to the Hotel Industry (3 Units)
This course will provide you with an introduction to the hotel industry. Students will learn about industry history, types of accommodations, an overview of hotel operations, department functions, as well as legal issues, human resources, and safety. Additionally, students will study the impact of the internet and explore the local hotel industry. Industry software and real-world skills will be included.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HOSP 68 Hospitality Law (3 Units)
In this course, students will cover basic principles of contracts, liability, and labor as they apply specifically to the hospitality industry. Lecture and discussions are enhanced by industry guest speakers and industry visits.
Transferability: Transferable to CSU
Grading Type: Letter

HOSP 80 Introduction to Hospitality (3 Units)
Students will learn about the structure and financial performances of hospitality industry, food and lodging, resorts, tourism enterprises, attractions and related operations. Students will focus on orientation to customer service, cultural/economic trends, and career opportunities.
Transferability: Transferable to CSU
Grading Type: Letter

Human Resources (HR)

HR 60 Human Resource Management (3 Units)
Overview of the Human Resources profession and the role it plays in contributing to the success of the organization. Emphasis is on Human Resource responsibilities, procedures and administration, such as employment law, staffing, compensation, ethics, employee relations, training, performance management, benefits, metrics, and labor relations. Best practices, current trends, and the role of Human Resources in strategic planning are consistently highlighted. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HR 61 Human Resource Employment Law (1.5 Units)
Overview of the application of California and Federal employment law. Interpretation of employment law in today's work environment through research and analysis of court decisions. Topics include employment at will, legal investigations, ethics, discrimination, ergonomics, substance abuse, workplace violence, terminations, and laws as they apply to employer size. Emphasis is on research, analysis, and prevention of litigation through policy development and application. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HR 62 Human Resource Records (1 Units)
Students will study the fundamentals of labor and employment records administration in compliance with California and Federal laws. Students will learn the fundamentals of creating a legally compliant recordkeeping system, addressing issues of technological options, confidentiality, correct filing, record retention, and document posting. Regulations regarding recordkeeping are discussed in-depth, including regulations on confidentiality, privacy, leaves of absence, wages and hours, safety, medical information, benefits, and identity theft. Students will gain hands-on experience utilizing a Human Resource Information System (HRIS) database.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HR 63 Human Resource Hiring Process (1 Units)
This course covers the fundamental role of Human Resources (HR) in the hiring process in California. Content covers techniques for attracting and identifying qualified applicants and interviewing and selecting the best candidate to meet organizational needs. Emphasis is on legal compliance and best practices in the hiring process. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HR 64 Human Resource Compensation Administration (1 Units)
Fundamentals of compensation administration at the Local, State and Federal levels, including the impact of salaries, hourly wages, benefits and other rewards on recruitment and retention of employees. Emphasis is on determining the market rate for pay, utilizing salary surveys, differentiating between types of salary programs, wage and hour calculations, benefits packages, and determining exempt or non-exempt status according to California and Federal regulations. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HR 65 Human Resource Benefits Administration (1.5 Units)
Fundamentals of employee benefit programs and leaves of absence requirements. Content covers interpretation of California and Federal law to correctly administer employee benefits and leaves of absence. Topics emphasize the administration of group benefits including health and survivor insurance, government mandated insurance, defined benefit & defined contribution retirement benefits, as well as family, medical, and pregnancy leaves of absence. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HR 66 Human Resources Administration Current Applications (1 Units)
Students will study an overview of Human Resources (HR) developments and recent changes in California and Federal employment law, recent employment related court cases, and current issues and trends affecting Human Resource administration. They will become familiar with the utilization of resources to successfully solve problems, create a professionally written document, and a correctly prepared spreadsheet on employee benefits. By completing this course students will have demonstrated a fluency of all information learned through the Human Resources Program.
Prerequisites/Corequisites: Completion or concurrent enrollment in HR 60 AND HR 61 AND HR 62 AND HR 63 AND HR 64 AND HR 65 AND BAD 52 AND BMG 53 AND CS 61.1A and CS 61.1B
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

HR 99I Human Resources Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

Humanities (HUM)

HUM 4.1 Western Humanities: Arts, Ideas, and Values (3 Units)
An interdisciplinary approach to the study of the arts, ideas and values of the West. Emphasis will be placed on the visual arts, drama, music, literature, philosophy and religion within a cultural context. The course will cover prehistory, ancient Mesopotamia, Egypt, Greece, Rome, and the Middle Ages to the Renaissance. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 5 World Humanities: Arts, Ideas, Values (3 Units)
An interdisciplinary approach to the study of the arts, ideas, and values of selected world cultures. The course will focus on the visual arts, drama, music, literature, philosophy, and religion--identifying both their interconnectedness and inherent diversity. The course may be taught chronologically or thematically. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 6 Humanities in the United States (3 Units)
An interdisciplinary pluralistic exploration of Humanities in the United States. The course will explore the cultural contributions of at least three cultural groups, focusing on the visual arts, music, drama, film, literature and philosophical/religious thought in the United States. In this multidisciplinary course, students will examine possible answers to the question \"How is American identity expressed?\" This course will explore the cultural expressions, contributions and traditions of different cultural groups in the United States. This course may be presented either chronologically, thematically, or with exclusive focus on a specific humanistic cultural form or tradition such as Cinema, Fine Arts, Literature, Music, Performing Arts and Technology in the United States. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 7 Introduction to the Humanities (3 Units)
An introduction to the humanities focusing on the visual arts, drama, film, music, dance, literature, philosophy and religion as forms of human expression. Emphasis will be on understanding and appreciating a variety of cultural expressions within their cultural context. The course may be taught thematically or may focus on a specific period of time. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 8 Comparative Mythology (3 Units)
This course investigates myths representing diverse global cultures; introduces scholarly theories and methods of interpretation; compares and contrasts plot structures, themes and character types within and across cultures; analyzes the creation of modern myths; and traces myth's relationship with language, history, politics, religion and the arts. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 14 Popular Culture in the United States (3 Units)
This class examines the relationship between individual identity and large-scale historical forces for the creation of popular culture. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

HUM 23 Culture and Values in Latin America and The Caribbean (3 Units)
An interdisciplinary exploration of the history, cultures, intellectual endeavors and societies in both Latin America and the Caribbean. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 24 California Culture (3 Units)
This course examines California's cultural mystique through ideas, products and cultural movements that originated in, or are closely associated with, California. Rather than a history of California, this course is a multidisciplinary examination of the distinct contributions that California has made in the spheres of art, consumer products, cultural movements, ideology and technological innovations. In so doing, the course analyzes California's contributions to, and influence on, American and global cultures and its enduring appeal for people throughout the United States and the world. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 25 Monsters (3 Units)
This course examines monsters, real and imagined, to understand their cultural function and purpose. This includes monsters from specific cultures or time periods, such as the Japanese Yokai to the menagerie of creatures in Monsters, Inc. as well as real-life monsters, from serial killers to genocidal fascist dictators. Representations of monsters in folklore, ancient texts, sacred manuscripts, literature, movies, graphic novels and video games are examined. Through this multidisciplinary course, monsters are intertwined with questions about racial purity, authority, power, violence, genetic manipulation, transspecies relationships and civilizational demise to act as harbingers and citizens of our imminent future. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 26 Friendship (3 Units)
This multidisciplinary course is a cultural exploration of friendship. Friendship is examined as a unique social arrangement unto itself and in relation to other forms of social relations such as marriage, civil partnerships or adoption. Other purposes of friendship- from forging alliances for a common defense, for strengthening community ties, and for enriching one's life- are also examined. Material examples of \"friendship\" are examined from across the globe and through different historical regimes such as the network of aboriginal \"Friendship Centers \" in Canada and the Tagalog \"bayanihan\". How is friendship related to concepts such as amor patriae or love and allegiance to one's country? With an emphasis on the central role of friendship in democracy, this course examines the individual and cultural potency in the idea and practice of friendship in ever widening national and global scales of amity. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

HUM 49 Independent Study in Humanities (1-3 Units)
Seminars and individual conferences by arrangement to provide for independent study and an enriched academic experience in the Humanities. UC determines credit AFTER transfer; not counted for admissions. (See a counselor for details) Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

HUM 51 Money, Wealth, and Success in America (3 Units)
From 'tech bros' to shipping magnates and real estate speculators, what identities and values have been valorized through an economic and cultural system based on infinite wealth? This course is a multidisciplinary exploration of money, wealth, and success in America through the 21st century. Students examine cultural periods, such as the Gilded Age and post-World War II America, that solidified resilient cultural norms about money, new definitions of wealth, standards for success, appropriate forms of charity, and mechanisms of income redistribution. Students will question financial institutions from stock exchanges to insurance to credit and how they shape the economic fortunes of individuals, communities, corporations, and nations. In this course the student will learn the role of money, wealth, and success in social mobility, environmental stewardship, peace, and equality. Rec Prep: Eligibillity for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

Interdisciplinary Studies (INTD)

INTD 90 Study Abroad Life and Culture (3 Units)
Students will be introduced to the culture of a foreign country as part of the Study Abroad Program. Through a combination of academic lectures by experts, organized activities like field trips and interactions with locals, students will acquire an understanding of local cultures. Students must be accepted into the Semester Abroad Program. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.. Limits on Enrollment: Admission to Program
Transferability: Transferable to CSU
Grading Type: Letter

Interior Design (INDE)

INDE 20 Introduction to Interior Design (3 Units)
In this course students will be introduced to interior design principles, elements, and color. Students will study influences of historical, cultural, and functional design factors as well as the selection and arrangement of interior furnishings and materials. Career options and sustainability in interior design will be included. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

INDE 50 Drafting and Drawing for Interiors (3 Units)
In this course students will be introduced to basic design drawing techniques used for interior design. Students will learn to manually draft interior floor plans, elevations, and sections in scale; including drawing furniture to scale. This course will also introduce students to the principles and techniques used in interior illustration. Emphasis will be placed on drawing and linear perspective using light, and shadow, and pencil rendering of furniture, interior finishes and accessories. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

INDE 52 Interior Environment and Space Planning (3 Units)
Students will learn space-planning techniques for both residential and commercial interiors through explorative design. Topics will include universal design, sustainability, resource management, lighting, and environmental psychology. Field trip(s) are required.
Prerequisites/Corequisites: Course Completion of INDE 20 and INDE 50
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

INDE 62 History of Interior Design (3 Units)
Students will examine the history of interior design including architecture, furnishings, decorative accessories, and decorative motifs from diverse global locations and cultures. Course includes topics from ancient times to the present with economic, social, political, cultural, and artistic influences interwoven throughout. Field trip(s) are required. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

INDE 63 Interior Products, Materials, and Lighting (3 Units)
Introduction to products and materials used in interior design, including flooring, wall coverings, furniture, window treatments, accessories and interior lighting for residential and commercial interiors. The life cycle of products and materials used in interiors, their impact on building occupants, and Indoor Environmental Quality (IEQ) indicators will be discussed. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter

INDE 64 Professional Practices for Interior Design (3 Units)
Students will study the business aspects of the interior design profession, including ethics, business contracts, licensing, ordering, construction documents, finances, accounting, client-designer relationships, and fee schedules. Students will gain experience measuring, estimating, and budgeting for a design project. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

INDE 67 Interior Illustration and Rendering (3 Units)
Students will be introduced to the principles and techniques used in interior illustration, including the use of the computer-aided drafting (CAD) Chief Architect application to create three-dimensional (3D) views developed from orthographic views. Emphasis is on drawing in perspective using light, shade and shadow, and pencil rendering of furniture, interior finishes, and accessories.
Prerequisites/Corequisites: Course Completion of INDE 20 and INDE 50
Transferability: Transferable to CSU
Grading Type: Letter

INDE 71 Interior Design Studio (3 Units)
Students will learn and practice the complete design process in planning space that is consistent with project and program requirements, applicable codes, and professional standards. A variety of team and individual design assignments selected to develop proficiency in the design process will be utilized.
Prerequisites/Corequisites: Course Completion of INDE 52 and INDE 63
Transferability: Transferable to CSU
Grading Type: Letter

INDE 73 Portfolio Development (2 Units)
In this course, student will learn to create professional portfolios for submittal to higher education institutions and career placement within Interior Design, Planning, Landscape Architecture, Architecture, Engineering, and Construction (AEC) professions. Rec Prep: Concurrent or prior enrollment in ARCH 60 or CS70.11A or CS72.11A for computer skills. \ Concurrent or prior enrollment in ARCH 12 or INDE 52 for utilization of completed student projects..
Transferability: Transferable to CSU
Grading Type: Letter

INDE 122 Kitchen and Bath Design (3 Units)
Students will study the principles and elements of interior design for creating efficient and aesthetically pleasing kitchens and baths. Topics include space-planning; furniture, fixtures, and equipment (FFE); appropriate finish materials; and building codes. The course follows the National Kitchen and Bath Association (NKBA) guidelines for interior design. Class field trip(s) are required.
Prerequisites/Corequisites: Course Completion of INDE 20 and INDE 50
Grading Type: Letter, Pass/No-Pass

Italian (ITAL)

ITAL 1 Elementary Italian-Part 1 (4 Units)
Beginning elementary speaking, listening, reading, and writing in Italian. Introduction to Italy and its cultures, including contributions to western civilization. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

ITAL 2 Elementary Italian-Part 2 (4 Units)
Continuation of the introduction to Italian language and culture, with the increasing development of all language skills in a cultural context. Emphasis is on communication in the Italian language. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: ITAL 1 or two years of high school Italian or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ITAL 3 Intermediate Italian-Part 1 (4 Units)
Speaking, reading and writing in Italian with discussions and essays to develop linguistic skill and cultural knowledge. Review of first-year linguistic and cultural content. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: ITAL 2 or three years of high school Italian or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ITAL 4 Intermediate Italian-Part 2 (4 Units)
Speaking, reading and writing in Italian with discussions and essays to further develop linguistic skill and cultural knowledge at the intermediate level. Review and expansion of Italian 1 through 3. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of ITAL 3
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

ITAL 50A Italian Conversation for Beginners - Part 1 (3 Units)
A beginning conversational Italian course designed to develop those listening and speaking skills needed at school, on the job, and in the community. Students participate in a variety of pronunciation, listening and conversational activities. An introduction to the core grammatical structures and vocabulary required for communication. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

ITAL 50B Italian Conversation for Beginners - Part 2 (3 Units)
A continuation of Beginning Conversational Italian course designed to improve those listening and speaking proficiencies needed at school, on the job, in the community, and in the Italian-speaking world. Students participate in a variety of pronunciation, listening, and conversational activities. An introduction to and development of the core grammatical structures and vocabulary required for communication. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of ITAL 50A or ITAL 1 or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Japanese (JAPN)

JAPN 1 Elementary Japanese - Part 1 (4 Units)
Introduction to elementary Japanese grammar and development of all language skills (listening, speaking, reading, and writing) needed to effectively communicate using Japanese cultural patterns and conventions. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

JAPN 2 Elementary Japanese - Part 2 (4 Units)
A high-beginning/low intermediate communication course designed to improve those listening, speaking, and writing skills needed for cross-cultural understanding in social, academic and work-related situations. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of JAPN 1 (or JAPAN 1 or JAPAN 51)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

Journalism (JOUR)

JOUR 1 Introduction to Journalism (3 Units)
Introduction to journalism, news reporting and writing with an emphasis on journalistic standards, media ethics and the changing nature of the news industry. Students will learn fundamental reporting skills and write news and feature articles for possible publishing in the Oak Leaf college news media. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Concurrent Enrollment in JOUR 1L
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

JOUR 1L Introduction to Journalism Lab (0.5 Units)
A lab course in which students practice Journalism 1 skills involving reporting, news gathering, news and feature writing, editing, and applying Associated Press style. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Concurrent Enrollment in JOUR 1
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

JOUR 2 News Gathering and News Writing (3 Units)
Advanced writing class for print and online media. Students will build skills in deadline news writing and learn to report, write, and use multimedia for a variety of story types, including news, opinion, social issues, entertainment reviews and feature/investigative pieces. Rec Prep: Course Completion of JOUR 1 and Eligibility for ENGL C1000 or equivalent.
Prerequisites/Corequisites: Concurrent Enrollment in JOUR 2L
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

JOUR 2L News Gathering and News Writing Lab (0.5 Units)
A lab course in which students practice Journalism 2 skills involved in learning to develop ideas, report, write or use multimedia for a variety of story types, including news, opinion, entertainment reviews and a feature/investigative project on a social issue. Rec Prep: Course Completion of JOUR 1 and Eligibility for ENGL C1000 or equivalent.
Prerequisites/Corequisites: Concurrent Enrollment in JOUR 2
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

JOUR 5 Non-Fiction Digital StoryTelling (4 Units)
Students will employ hands-on training to create and edit text, audio, video and photos to produce and promote multimedia non-fiction stories for journalism, digital, social, and mobile media. Rec Prep: Course Eligibility for ENGL C1000 (formerly ENGL 1A) OR Course Eligibility for EMLS 10 (formerly ESL 10) and Concurrent Enrollment in CS 74.22 OR Course Completion or Concurrent Enrollment in JOUR 1 (or JOUR 1A) OR Course Completion or Concurrent Enrollment in JOUR 2 (or JOUR 1B) OR Concurrent Enrollment in FMA 18 (or MEDIA 18 or MEDIA 51).
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

JOUR 52A News Media Practice 1 (3 Units)
A lecture/laboratory course that produces The Oak Leaf, the Santa Rosa Junior College news media that includes a website, a magazine and social media sites. Students learn journalistic standards, media ethics, writing, editing, design, multimedia, social media and other skills required in modern news production. Rec Prep: Course Completion or Concurrent Enrollment in JOUR 1.
Transferability: Transferable to CSU
Grading Type: Letter

JOUR 52B News Media Practice 2 (5 Units)
A lecture/laboratory course that produces The Oak Leaf, the college news media that includes a website, magazine, and social media sites. Students learn journalistic standards, media ethics, writing, editing, design, photojournalism, multimedia, social media, and other skills required in modern news production.
Prerequisites/Corequisites: JOUR 52A with a grade of 'C' or better
Transferability: Transferable to CSU
Grading Type: Letter

JOUR 52C News Media Practice 3 (5 Units)
A lecture/laboratory course that produces The Oak Leaf, the college news media that includes a website, magazine, and social media sites. Students learn journalistic standards, media ethics, writing, editing, design, photojournalism, multimedia, social media, and other skills required in modern news production.
Prerequisites/Corequisites: JOUR 52B with a grade of 'C' or better
Transferability: Transferable to CSU
Grading Type: Letter

JOUR 52D News Media Practice 4 (5 Units)
A lecture and laboratory capstone course that produces The Oak Leaf, the college news media that includes a website, magazine and social media sites. Students apply journalistic standards, media ethics, writing, editing, design, photojournalism, multimedia, social media and other skills to produce print and web versions of The Oak Leaf. Journalism 52D students assume leadership positions in running The Oak Leaf and teach specialized workshops to other staff members.
Prerequisites/Corequisites: Course Completion of JOUR 52C
Transferability: Transferable to CSU
Grading Type: Letter

JOUR 56 Editing for News Media (3 Units)
This course will introduce students to editing for the news media. Students will learn how to edit for text, audio, video, digital and multimedia content for print, online, broadcast and social media publication. Rec Prep: Course Completion of JOUR 1 or JOUR 2; and eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

JOUR 59 Photojournalism (3 Units)
In this introductory contemporary photojournalism course, students will learn skills and techniques for creating photographs and video for newspaper, magazine, and online media content. Students will have access to professional camera gear appropriate to the course. Rec Prep: Course Completion of JOUR 1 OR JOUR 52A.
Transferability: Transferable to CSU
Grading Type: Letter

JOUR 705 Non-Fiction Digital StoryTelling
In this non-credit course, students will employ hands-on training to create and edit text, audio, video and photos to produce and promote multimedia non-fiction stories for journalism, digital, social, and mobile media.
Grading Type: NC Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

JOUR 759 Photojournalism
In this introductory contemporary photojournalism course, students will learn skills and techniques for creating photographs and video for newspaper, magazine, and online media content. Students will have access to professional camera gear appropriate to the course. Rec Prep: Course Completion of JOUR 1 OR JOUR 52A.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Kinesiology (KIN)

KIN 1 Introduction to Kinesiology (3 Units)
Students will be introduced to an interdisciplinary approach to the science and study of human movement. This course provides an orientation to various educational pathways, requirements, and career opportunities in Kinesiology and in the areas of teaching, coaching, therapeutic exercise, fitness and health, and sport management professions. Physical activity components will be embedded to practically apply the concepts of the Kinesiology discipline with relevance to the foundational sub-disciplines. History, research, and current/future issues and trends in Kinesiology are also addressed. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 8

KIN 2 Sports Officiating Fall (3 Units)
Rules interpretations, procedures, and necessary mechanics to effectively officiate selected individual and team sports.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 8

KIN 3 Sports Officiating Spring (3 Units)
Rules interpretations, procedures, and necessary mechanics to effectively officiate selected individual and team sports.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 8

KIN 4 Introduction to Sports Medicine (3 Units)
This course will introduce the student to the field of sports medicine. Students will learn about injury recognition, injury management, professional ethics, legal issues, interpersonal communication skills in an allied health setting, medical documentation, universal precautions, professionalism, psychosocial intervention, basic first aid concepts, tissue healing, therapeutic modalities, therapeutic rehabilitation exercises, and organization and administration of a sports medicine facility. This course is an elective for the Fitness, Nutrition and Health Certificate and Major. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 8

KIN 5 Sport and Society (3 Units)
Students review the current and past sports-related cultural and historical issues in society. They will explore research in various topics such as race and gender issues, sports for different populations, and how sports have shaped both western and non-western cultures' ideologies and values. Various levels of participation will be discussed, from elementary school and recreational participation to professional sports. Students will analyze the influence and role of sports and sports media based on gender, ethnicity and socio-economic standing. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,AA/AS Area 8,Cal-GETC Area 4

KIN 6 Standard First Aid, CPR, and AED (1 Units)
Students will learn cardiopulmonary resuscitation (CPR), automatic external defibrillation (AED) and first aid skills which will enable participants to give basic emergency care. Upon completion of this course, students will be able to recognize and care for a variety of first aid emergencies such as: burns, cuts, scrapes, sudden illnesses, head, neck, back, injuries, heat and cold emergencies, and how to respond to breathing and cardiac emergencies for adults, children and infants. Satisfies first-time and renewal certifications. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8

KIN 7 Sport Films and Society (3 Units)
Students will explore the intersection of sport and American culture, history, and society through a critical examination of popular sport films. Students will investigate how sport films comment on gender roles, racial inequalities, identity, power, performance, social justice, the American Dream, and the concept of heroism. Students will also examine the ethical considerations involved in the production of sport films, including issues of authenticity, exploitation, and representation. Throughout the semester students will watch popular sport films. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 (formerly ESL 10) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

KIN 8 Psychological Aspects of Sports Performance (3 Units)
Students will investigate current theoretical perspectives, research, and applications of theory and techniques specific to the field of sports psychology. Students will explore research as related to optimal performance in athletics and in life. This course includes the history and foundations of sport and exercise psychology, the role of race/ethnicity, and gender in sport, personality, attribution and cognition, leadership, motivation, goal-setting, neuropsychology and physiology of arousal, attention, and psychological skills training. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 (formerly ESL 10) equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

KIN 9 Ethics in Sports (3 Units)
Students will examine ethics, moral issues, and value judgements related to sport. Students will learn to follow and analyze ethical arguments, examine philosophical issues, and apply them to the artistic expression of sport. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 (formerly ESL 10) or equivalent.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KIN 10 Theory of Coaching Sports (3 Units)
Students will learn coaching theory as it relates to developing leadership skills to work with athletes and teams in the context of organized sport. Topics will include motivation, self-esteem, leadership, communication, competition and cooperation, team management, and optimal performance skills (e.g. goal setting, concentration, composure, recovery from mistakes/loss, consistency, and stress management). Rec Prep: Eligibility for ENGL C1000 or EMLS 10 (formerly ESL 10) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KIN 11 Women in Sports (3 Units)
Students will gain an understanding of the journey of women in sport through a chronological history, analysis and interpretation of people, events, and issues that affect women in sport, in past and present-day society. Physiological, sociological, and psychological scientific research and inquiry of the aspects of female athletes related to sports, history, and education will be covered. Students will also gain an understanding of how the significant events of women in sport from the past to the present could shape the future of women in sport.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KIN 49 Independent Study in Kinesiology, Athletics and/or Dance (0.5-3 Units)
Students will attend seminars or individual conferences by arrangement to provide for independent study and enriched academic experience. University of California (UC) determines credit AFTER transfer; units are not counted for admission. (See a counselor for details.) Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KIN 50.1 Fitness Teaching Practicum (1 Units)
Students seeking to complete the Fitness, Nutrition, and Health Certificate/Major will gain experience through practical application and supervised practice of lead fitness instructional techniques. Students will assist faculty in areas of administration, classroom management, teaching techniques, and instruction.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 50.2 Yoga Teaching Practicum (1 Units)
Students seeking to complete the Yoga 200-hour Teacher Training Certificate will gain experience through practical application and supervised practice of lead yoga instructional techniques. Students will assist faculty in areas of administration, classroom management, teaching techniques, and instruction.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 50.3 Pilates Mat Teaching Practicum (1 Units)
Students seeking to complete the Pilates Mat Instructor Certificate will gain experience through practical application and supervised practice of lead instructional techniques. Students will assist faculty in areas of administration, classroom management, teaching techniques, and instruction.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 50.4 Pilates Reformer Teaching Practicum (1 Units)
Students seeking to complete the Pilates Reformer Instructor Certificate will gain experience through practical application and supervised practice of lead instructional techniques. Students will assist faculty in areas of administration, classroom management, teaching techniques, and instruction.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 50.5 Pilates Apparatus Teaching Practicum (1 Units)
Students seeking to complete the Pilates Apparatus Instructor Certificate will gain experience through practical application and supervised practice of lead instructional techniques. Students will assist faculty in areas of administration, classroom management, teaching techniques, and instruction.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 53 Principles of Health and Wellness (3 Units)
Students will engage in a personal approach to health and wellness through personal reflection, critical thinking, and practical application of behavior change strategies to improve their health and wellness. This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards, and safety.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8

KIN 62A Sports Medicine Experience A (2 Units)
This course will provide the opportunity to observe and learn principles and protocols of sports medicine and athletic training in a supervised clinical setting. This course starts the student with general sports medicine facility and athletic event observation. The practical experience gained in this course will help the student prepare for a variety of professions within sports medicine and kinesiology and prepares pre-athletic training students for success in Commission on Accreditation of Athletic Training Education (CAATE) accredited athletic training programs.
Prerequisites/Corequisites: Course Completion or Current Enrollment in KIN 4
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KIN 62B Sports Medicine Experience B (2 Units)
This course will provide the opportunity to observe and learn principles and protocols of sports medicine and athletic training in a supervised clinical setting. This course continues the sports medicine student experience with the addition of basic practical application of sports medicine and athletic training skills.This course will help the student prepare for a variety of professions within sports medicine and kinesiology and prepares pre-athletic training students for success in Commission on Accreditation of Athletic Training Education (CAATE) accredited athletic training programs.
Prerequisites/Corequisites: Course Completion of KIN 62A (or KINES 62A)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KIN 62C Sports Medicine Experience C (2 Units)
This course will provide the opportunity to observe and learn principles and protocols of sports medicine and athletic training in a supervised clinical setting. This course continues the sports medicine student experience with the addition of intermediate level practical application of sports medicine and athletic training skills. The practical experience gained in this course will help the student prepare for a variety of professions within sports medicine and kinesiology and prepares students for success in Commission on Accreditation of Athletic Training Education (CAATE) accredited athletic training programs.
Prerequisites/Corequisites: Course Completion of KIN 62B (or KINES 62B)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KIN 62D Sports Medicine Experience D (2 Units)
This course will provide the opportunity to observe and learn principles and protocols of sports medicine and athletic training in a supervised clinical setting. This course continues the sports medicine student experience with the addition of advanced level practical application of sports medicine and athletic training skills. The practical experience gained in this course will help the student prepare for a variety of professions within sports medicine and kinesiology and prepares pre-athletic training students for success in Commission on Accreditation of Athletic Training Education (CAATE) accredited athletic training programs.
Prerequisites/Corequisites: Course Completion of KIN 62C (or KINES 62C)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KIN 63 Sports Medicine: Lower Body Injuries (3 Units)
This course will teach the student the evaluation, treatment and rehabilitation of lower body injuries. This course will help the student prepare for a variety of professions within sports medicine and kinesiology. Rec Prep: \ Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KIN 64 Sports Medicine: Upper Body Injuries (3 Units)
This course will teach the student the evaluation, treatment and rehabilitation of upper body injuries. This course will help the student prepare for a variety of professions within sports medicine and kinesiology. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KIN 70 Yoga Techniques, Training, and Practice I (3 Units)
Students will learn beginning-level asanas (postures), pranayamas (breathing practices), meditation and other traditional yoga techniques. Techniques are presented through analytical training and guided practice in how to teach and practice the techniques. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

KIN 71 Yoga Techniques, Training, and Practice II (2 Units)
Students will learn intermediate-level yoga asanas (postures), pranayamas (breathing practices), meditation, and other traditional yoga techniques. Techniques are presented through analytical training and guided practice in how to teach and practice the techniques.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 72 Yoga Teaching Methodology (1 Units)
Students will learn yoga teaching methods, sequencing, pacing, and cueing techniques with effective class management and communication skills. Special emphasis will be placed on how to create a student-centered, inclusive, accessible, and equitable class environment to appropriately address the needs of a diverse population.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 73 Anatomy and Physiology for Yoga Teachers (2 Units)
Students will learn the principles of human anatomy, physiology, and biomechanics as they relate to yoga practices.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 74 Yoga Philosophy, Lifestyle, and Ethics (2 Units)
Students will examine yoga philosophies and traditional texts, the history of yoga, yoga lifestyle, yoga's relationship with Ayurveda, and ethics for yoga practitioners and teachers involving code of conduct, scope of practice, and equity in yoga.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 80 Introduction to Applied Kinesiology and Anatomy (3 Units)
Students learn applied Kinesiology and anatomy by examining the anatomical structure and function of the musculoskeletal system as it relates to human movement and exercise. Muscular analysis and practical application, including strengthening and flexibility exercises for each muscle will be emphasized. Students will also study physiological and biomechanical principles. Course content is part of the national American Council on Exercise (ACE) certification program. This course along with Kines 81 and 83 will prepare students to take the ACE Personal Trainer and/or Group Fitness Certification exam.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 81 Intro to Exercise Physiology, Assessment, and Program Design (3 Units)
In this course the students will examine the human physiological responses and adaptations of exercise and physical training. Course content is part of the national American Council on Exercise (ACE) certification program, this course along with Kines 80 and 83 will prepare students to take the ACE Personal Trainer and/or Group Fitness Certification exam. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 82 Exercise Assessment and Prescription (3 Units)
This course will cover assessment of physical fitness components and prescription of exercise programs for sport and fitness participants. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 83 Techniques of Fitness Instruction (3 Units)
Students will learn methods of instruction for individual and group exercise in various formats, utilizing a variety of training equipment. Students will also learn knowledge and skills associated with planning, implementing, leading, and managing learners and environment using safe and effective exercises for a variety of fitness levels, including special populations. Exercise guidelines, techniques, safety, liability issues, employment, client retention, and business management will also be discussed. Course content is part of the national American Council on Exercise (ACE) certification program. This course, along with Kines 80 and 81, will prepare students to take the ACE Personal Trainer and Group Fitness Certification exam. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 84 Health and Wellness Coaching (3 Units)
Students will learn the theory and practice of effective health and wellness coaching, the basics of lifestyle medicine, and the evidence-based strategies to prevent and manage chronic disease. Students will study business and legal considerations for building a health and wellness coaching practice. This course prepares students to take the American Council on Exercise (ACE) Health Coach Certification Exam.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 90 Pilates Teaching Methodology and Principles (2 Units)
In this course students will focus on the methods, principles, and industry standards of teaching and developing Pilates training programs. Students will also learn the history, benefits, assessment tools, and goals of Pilates training.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 91 Pilates Mat Instructor Training (3 Units)
Students will learn to safely and effectively instruct Pilates Mat exercises using Pilates principles for all skill levels and accommodations for various health conditions.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 92 Pilates Reformer Instructor Training (3 Units)
Students will learn to safely and effectively instruct Pilates Reformer exercises using Pilates principles for all skill levels and accommodations for various health conditions.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 93 Pilates Apparatus Instructor Training (2 Units)
Students will learn to safely and effectively instruct Pilates Apparatus exercises using the Pilates principles, including Trapeze Table, Chair, and Barrels, for all skill levels and accommodations for various health conditions.
Transferability: Transferable to CSU
Grading Type: Letter

KIN 300 Student-Athlete Success I (0.5-1 Units)
This lab course is an open-entry/open-exit course designed to assist student-athletes in acquiring basic study skills and work habits to gain success in the classroom. In addition, the student-athlete will learn and apply time and stress management techniques, note taking techniques, and test taking techniques. Students must complete 26.25 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass. Limits on Enrollment: In order to take the KINES 300 class, each student must be listed as a student athlete, by the head coach, on the official team roster. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Grading Type: Letter, Pass/No-Pass

KIN 301 Student-Athlete Success II (0.5-1 Units)
This lab course is being offered as an open-entry/open- exit course designed to assist the student-athlete in acquiring basic study skills and work habits to gain success in the classroom. Memory and visualization techniques, and earning styles will be included. Students must complete 26.25 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass. Limits on Enrollment: In order to take the KINES 301 class, each student must be listed as a student athlete, by the head coach, on the official team roster. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Grading Type: Letter, Pass/No-Pass

KIN 302 Student-Athlete Success III (0.5-1 Units)
This lab course is being offered as an open-entry/open-exit course designed to assist student-athletes in acquiring basic study skills and work habits to gain success in the classroom. In addition, the student-athlete will learn about the rules and regulations for the local governing conference, California Community College Athletic Association (CCCAA), National Collegiate Athletic Association (NCAA), and National Association of Intercollegiate Athletics (NAIA). Academic and athletic requirements at each organizational level will be presented. Issues that affect athletics will also be discussed such as performance enhancement drugs (PEDs), substance abuse, violence, athletes with disabilities, and diversity. Students must complete 26.25 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass. Limits on Enrollment: In order to take the KINES 302 class, each student must be listed as a student athlete, by the head coach, on the official team roster. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Grading Type: Letter, Pass/No-Pass

KIN 303 Student-Athlete Success IV (0.5-1 Units)
This lab course is being offered as an open-entry/open-exit course designed to assist the student-athletes in acquiring basic study skills and work habits to gain success in the classroom. Learning from your mistakes and using your critical thinking skills will be presented. Students must complete 26.25 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass. Limits on Enrollment: In order to take the KINES 303 class, each student must be listed as a student athlete, by the head coach, on the official team roster. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Grading Type: Letter, Pass/No-Pass

KIN 762.1 Sports Med Facility Operations & Emerg Mgmt- Contact
This course provides students with training and practical application of sports medicine facility organization and administration and emergency management in a clinical sports medicine setting. Students will focus on facility operations and emergency management related to contact sports.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

KIN 762.2 Sports Med Facility Operations & Emerg Mgmt- Non Contact
This course provides students with training and practical application of sports medicine facility organization and administration, and emergency management in a clinical sports medicine setting. Students will focus on facility operations and emergency management related to non-contact sports.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Kinesiology Aquatics (KINA)

KINA 1 Introduction to Swimming (1.5 Units)
This class is an introduction to water for non-swimmers and students will learn basic swim techniques, and water safety protocol.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 1.1 Beginning Swimming (1.5 Units)
Students will learn basic swim strokes that include the front crawl, back crawl, and elementary backstroke. In addition to swimming, students learn basic water safety skills and knowledge leading to safe practices while in, on, or about the water.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 1.2 Intermediate Swimming (1.5 Units)
This class consists of intermediate swim strokes that include the front crawl, back crawl, side stroke, breaststroke, butterfly, and elementary backstroke. In addition to swimming, this class also includes basic water safety skills and knowledge leading to safe practices while in, on, or about the water. Rec Prep: Course Completion of KINA 1.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 1.3 Advanced Swimming (1.5 Units)
This class consists of advanced swim strokes that include the front crawl, back crawl, breaststroke and butterfly. In addition to swimming, students will learn basic water safety skills and knowledge of advanced swimming skills to work toward a higher level of cardiovascular fitness. Rec Prep: Course Completion of KINA 1.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 1.4 Training for the Competitive Swimmer (1.5 Units)
Training program designed to develop skills and physical fitness needed for competitive swimming. Rec Prep: Course Completion of KINA 2.3. Limits on Enrollment: By tryout first day of class
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 2.1 Aquatic Fitness (1.5 Units)
This class consists of aquatic fitness exercise and advanced swim strokes that include the freestyle, backstroke, breaststoke, and butterfly. Students will learn how to develop a training and conditioning program through the use of advanced swim strokes and dryland conditioning. Rec Prep: Course Completion of KINA 1.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 2.3 Advanced Aquatic Fitness (1.5 Units)
This class consists of aquatic fitness exercises and advanced swim strokes that include the freestyle, backstroke, breaststoke, and butterfly. Students will learn how to develop a training and conditioning program at an advanced level through the use of advanced swim strokes and dryland conditioning. Rec Prep: Course Completion of KINA 2.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 3.1 Beginning Aquatic Calisthenics (1.5 Units)
This water aerobics course will include beginning level aquatic calisthenic exercise. This class will include a variety of beginning water exercises.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 3.2 Intermediate Aquatic Calisthenics (1.5 Units)
This water aerobics course will include intermediate level aquatic calisthenic exercise. This course also covers aquatic calisthenic program design and hydrodynamic principles, and will prepare students to apply intermediate level aquatic calisthenic skills and techniques to a fitness program.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 4.1 Deep Water Running (1.5 Units)
This course will focus on deep water running and other aquatic exercises for improving fitness, cross training, water safety, and rehabilitation. Students will learn workout composition, proper body mechanics, aquatics rehabilitation skills, and water safety skills. Rec Prep: Course Completion of KINA 1.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 10.1 Beginning Springboard Diving (1.5 Units)
Beginning springboard diving skills using one and three meter diving boards.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 10.2 Intermediate Springboard Diving (1.5 Units)
Instruction in intermediate diving skills with a focus on competitive dives and flexibility and strength for performance.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 12.1 Beginning Water Polo (1.5 Units)
This class consists of basic water polo skills and techniques that include ball handling, dribbling, passing, shooting, and blocking. This class also includes an introduction to the rules of the game as well as basic tactical strategies for offense and defense. Rec Prep: Course Completion of KINA 1.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 12.3 Training for Competitive Water Polo (1.5 Units)
This course provides a training program to enhance performance in water polo. This course is intended for students with water polo experience who may be interested in trying out for the water polo team as well as those who are already playing on the team. Rec Prep: Course Completion of KINA 12.2. Limits on Enrollment: By tryout
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 21 Lifeguard Training (0.5 Units)
Students will learn the skills and knowledge needed to prevent and respond to aquatic emergencies to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until more advanced medical help can arrive. This course adheres to American Red Cross (ARC) standards. Also meets the first aid, cardiopulmonary resuscitation (CPR) and aquatic training requirements as specified by state code to be a lifeguard in California. Rec Prep: Course Completion of KINA 1.3.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINA 61 Lap Swimming Fundamentals (0.5-1.5 Units)
Students will learn fundamental lap swimming guidelines and principles to improve personal fitness. This course offers flexibility to complete the participation requirement during any open lap swim hours at the Santa Rosa Campus. A required orientation will be completed as part of the course.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KINA 62 Lap Swimming Technical Training (0.5-1.5 Units)
Students will learn technical training for lap swimming to improve personal fitness. This course offers flexibility to complete the participation requirement during any open lap swim hours at the Santa Rosa Campus.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KINA 63 Lap Swimming Program Design (0.5-1.5 Units)
Students will learn how to develop their own personal swim training program based on their personal fitness goals. This course offers flexibility to complete the participation requirement during any open lap swim hours at the Santa Rosa Campus.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KINA 64 Lap Swimming Competition Preparation (0.5-1.5 Units)
Students will learn how to prepare for swimming competition. This course offers flexibility to complete the participation requirement during any open lap swim hours at the Santa Rosa Campus.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Kinesiology Combative (KINC)

KINC 1.1 Tai Chi - Chen Style (1.5 Units)
This class is designed for individuals of all fitness levels who want to improve balance, concentration, focus, flexibility, breathing, and mind/body awareness through practicing Chen Style Tai Chi. Applications of Tai Chi principles and Qigong breathing techniques will be covered. Students will be introduced to Chen Style Tai Chi form, a series of flowing movements developed for personal cultivation, health improvement, and self defense.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 1.2 Tai Chi - Yang Style (1.5 Units)
This class is designed for individuals of all fitness levels who want to improve balance, concentration, focus, flexibility, breathing, and mind/body awareness through practicing Yang Tai Chi. Applications of Yang Tai Chi principles and Qigong breathing techniques will be covered. Students will be introduced to Yang Style Tai Chi Chuan, a series of flowing movements developed for personal cultivation, health improvement, and self defense.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 1.3 Tai Chi - Wudang Style (1.5 Units)
This class is designed for individuals of all fitness levels who want to improve balance, concentration, focus, flexibility, breathing, and mind/body awareness through practicing Wudang Tai Chi form. Applications of Wudang Tai Chi principles and Qigong breathing techniques will be covered. Students will be introduced to Wudang Style Tai Chi, a series of flowing movements developed at Wudang Mountain for personal cultivation, health improvement, and self defense.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 1.4 Tai Chi - Sword (1.5 Units)
This class is designed for individuals of all fitness levels who want to improve balance, concentration, focus, flexibility, breathing, and mind/body awareness through practicing Tai Chi Sword form. Applications of Tai Chi Sword principles and Qigong breathing techniques will be covered. Students will be introduced to Tai Chi Sword forms training, a series of flowing movements developed primarily from Martial arts techniques and then adjusted based on observation of nature.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 2.1 Beginning Judo (1.5 Units)
An introductory judo course that emphasizes judo history, vocabulary, rules and methods of competition, fundamental throwing, falling, and grappling techniques.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 2.2 Intermediate Judo (1.5 Units)
A progressive course designed for the continuing judo student with emphasis on intermediate level judo throws, locks, pins, and grips. Students will learn increasing levels of judo fitness, as well as history of judo in America. Rec Prep: Course Completion of KINC 2.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 2.3 Advanced Judo (1.5 Units)
A progressive course designed for the experienced judo student with an emphasis on learning advanced judo techniques including combinations and Katas. Students will learn increasing levels of judo fitness as well as the history, vocabulary, and developmental aspects of competitive judo. Rec Prep: Course Completion of KINC 2.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 4 Introduction to Boxing (1.5 Units)
This introductory class is for first-time boxing students and students will learn basic boxing training techniques, fitness principles, and nutrition for high impact exercise.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 4.1 Beginning Boxing (1.5 Units)
This course is designed to introduce students to beginning boxing fundamentals, as well as challenge and build cardiovascular efficiency, muscular strength and flexibility with respect to boxing.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 4.2 Intermediate Boxing (1.5 Units)
This course advances students from beginning boxing fundamentals and techniques to an intermediate level, while enhancing fitness, balance, flexibility, and strength. Rec Prep: Course Completion of KINC 4.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 4.3 Advanced Boxing (1.5 Units)
In this course, students will develop advanced boxing fundamentals and techniques while enhancing fitness, balance, flexibility, and strength. Rec Prep: Course Completion of KINC 4.2.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINC 10 Personal Safety & Self Defense (1.5 Units)
Students will learn about personal safety and assault prevention with an emphasis on physical and psychological aspects of personal defense. Students will be taught basic physical defensive tactics and techniques
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

Kinesiology Fitness (KFIT)

KFIT 1.1 Beginning Aerobic Dance (1.5 Units)
The focus of this course is beginning level aerobic dance, a physical activity designed to increase cardiovascular/respiratory fitness, improve muscular strength and endurance, increase flexibility, and enhance body awareness. Movement patterns to music will be presented. Activities may include other forms of aerobic exercise and resistance training.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 1.2 Intermediate Aerobic Dance (1.5 Units)
The focus of this course is intermediate aerobic dance, a physical activity designed to increase cardiovascular/respiratory fitness, improve muscular strength and endurance, increase flexibility, and enhance body awareness. Movement patterns to music will be presented. Activities may include other forms of aerobic exercise and resistance training. Students are to perform exercises at an intermediate level with greater intensity and complexity than beginning aerobic dance. Rec Prep: Course Completion of KFIT 1.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 2.1 Beginning Step Aerobics (1.5 Units)
The focus of this course is beginning level step training, an aerobic activity incorporating a platform, sometimes accompanied by risers, designed to increase cardiovascular/respiratory fitness and improve muscular strength and endurance. Basic step patterns and movement combinations choreographed to music will be presented. Activities may include other forms of aerobic exercise, muscular endurance, core work, and flexibility traiining.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 2.2 Intermediate Step Aerobics (1.5 Units)
The focus of this course is intermediate level step training, an aerobic activity incorporating a platform and sometimes with risers, designed to increase cardiovascular/respiratory fitness and improve muscular strength and endurance. Intermediate step patterns and movement combinations choreographed to music will be presented. Activities may include other forms of aerobic exercise, muscular endurance, core work, and flexibility training. Rec Prep: Course Completion of KFIT 2.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 3.1 Beginning Body Conditioning (1.5 Units)
The purpose of this course is to provide students with an exercise program designed to develop the key components of health-related physical fitness: cardiovascular/respiratory conditioning, muscular strength, muscular endurance, flexibility, and body composition.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 3.2 Intermediate Body Conditioning (1.5 Units)
The purpose of this course is to provide students with an intermediate level exercise program designed to further develop the key components of health-related physical fitness: cardiovascular/respiratory conditioning, muscular strength, muscular endurance, flexibility, and body composition.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 3.3 Advanced Body Conditioning (1.5 Units)
The purpose of this course is to provide students with an advanced level exercise program designed to further develop the key components of health-related physical fitness: cardiovascular/respiratory conditioning, muscular strength, muscular endurance, flexibility, and body composition.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 4.1 Body Mechanics (1.5 Units)
Students will participate in exercises for fitness, with an emphasis on core strength, flexibility, posture, and muscle tone. Activities may include forms of aerobic exercise, resistance training, yoga, and Pilates movements.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 5 Introduction to Pilates Mat (1.5 Units)
This introductory-level class is designed for students with no previous Pilates mat experience. Students will improve overall movement efficiency, correct muscle imbalances, increase core strength, and develop the mind/body connection during movement based on the original mat techniques developed by Joseph H. Pilates. Using introductory-level mat exercises, students will learn the principles of proper alignment, strength, endurance, flexibility, balance, and coordination.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 5.1 Beginning Pilates Mat (1.5 Units)
This beginning level class is designed for individuals with no previous Pilates experience. Students will improve overall movement efficiency, correct muscle imbalances, increase core strength, and develop the mind/body connection during movement based on the original techniques developed by Joseph H. Pilates. Students will be introduced to principles of proper alignment, strength, endurance, flexibility, balance and coordination using beginning level mat exercises.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 5.2 Intermediate Pilates Mat (1.5 Units)
This intermediate level class is designed for individuals with previous Pilates experience. Students will improve overall movement fluidity, breathing techniques, kinesthetic awareness, proprioception, core strength and endurance while integrating the mind/body connection during movement based on the original techniques developed by Joseph H. Pilates. Students will learn principles of proper alignment, strength, endurance, flexibility, balance and coordination using intermediate level mat exercises.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 5.3 Advanced Pilates Mat (1.5 Units)
This class is designed for students of advanced fitness levels who want to increase overall movement efficiency, correct muscle imbalances, increase core strength and develop the mind/body connection during movement based on the original techniques developed by fitness pioneer, Joseph H. Pilates. Students will practice principles of proper alignment, strength, endurance, flexibility, balance, and coordination through advanced level mat exercises. Breathing techniques will be learned to facilitate smooth and efficient movement, promote sufficient oxygen circulation, and enhance kinesthetic awareness.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 6 Introduction to Yoga (1.5 Units)
This introductory level class is designed for students with no previous yoga experience. Students will use Hatha yoga asanas (postures) to practice introductory level flexibility, strength, balance, and coordination. Students will use yoga techniques including breath and relaxation methods for mind-body connection and centering.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 6.1 Beginning Yoga (1.5 Units)
This beginning level class is designed for individuals with no previous yoga experience, Using Hatha yoga asanas (postures), students will emphasize beginning level flexibility, strength, balance, and coordination. Yoga techniques for mind-body connection and centering will include breathing and relaxation methods.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 6.2 Intermediate Yoga (1.5 Units)
This intermediate level class is designed for individuals with previous yoga experience. Using Hatha yoga asanas (postures), students will emphasize intermediate level flexibility, strength, balance, and coordination. Course covers the history of yoga, chakras, meditation, and the eight limbs of yoga.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 6.3 Advanced Yoga (1.5 Units)
Students will use Hatha Yoga asanas (postures) to emphasize advanced level flexibility, strength, balance, and coordination. Students will use yoga techniques including breath and relaxation methods for mind-body connection and centering.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 7.1 Beginning Circuit Training (1.5 Units)
Beginning circuit training for the purpose of establishing muscular strength and fitness. In addition to various circuit training techniques, this class may also include cardiovascular and core workouts.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 7.2 Circuit Training Intermediate (1.5 Units)
Intermediate circuit training for the purpose of improving muscular strength and fitness. In addition to various circuit training techniques, this class may also include cardiovascular and core workouts.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 8 Introduction to Weight Lifting (1.5 Units)
Students will perform basic weight lifting exercises and will be introduced to basic techniques, fitness, and nutrition principles.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 8.1 Beginning Weight Lifting (1.5 Units)
Students will perform weight lifting exercises to improve muscular strength and endurance. In addition to various weight lifting techniques, students will participate in other components of fitness.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 8.2 Intermediate Weight Training (1.5 Units)
Intermediate weight training for the purpose of establishing and building muscular strength and fitness. In addition to various weight training techniques, this class may also include cardiovascular and core strengthening workouts.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 9 Introduction to Hiking (1-1.5 Units)
An introductory hiking class that prepares students to learn hiking skills, techniques, and appropriate gear to safely hike and progress in a weekly hiking program based on personal fitness level.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 9.1 Beginning Hiking (1-1.5 Units)
A beginning-hiking class that prepares students to learn hiking skills, techniques, and appropriate gear to safely hike and progress in a weekly hiking program based on personal fitness level.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 9.2 Intermediate Hiking (1-1.5 Units)
An intermediate-hiking class that prepares students to learn hiking skills, techniques, and appropriate gear to safely hike and progress in a weekly hiking program based on personal fitness level.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 9.3 Advanced Hiking (1-1.5 Units)
An advanced hiking class that prepares students to learn hiking skills, techniques, and appropriate gear to safely hike and progress in a weekly hiking program based on personal fitness level.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 10.1 Resistance Training (1.5 Units)
This course utilizes muscular strength and endurance training using a variety of modalities and equipment including but not limited to: machines, free weights, bars, exercise tubes, medicine balls, body weight, stability balls, and cables.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 11.1 Periodized Weight Training (1.5 Units)
Periodization is a systematic, progressive weight training program that involves cycling through different phases of training in a planned time frame for optimal levels of adaptation and to prevent overtraining. Programs are designed based on intensity, volume, exercise order, rest periods, and workout frequency. Fitness assessments along with short term and long term goals will be developed to create and implement an appropriate training plan.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 12.1 Power Lifting (1.5 Units)
This class is designed to provide an opportunity to power train. Students will develop an understanding of power lifting and how to implement it into a fitness plan. Power lifting is a system of heavy resistance and low repetition exercise that builds power in large muscle groups.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 15.1 Personal Fitness Activities (1.5 Units)
Students will experience personal program development and practice in all components of physical fitness including cardiovascular conditioning, muscular strength and endurance, flexibility, and body conditioning.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 16.1 Plyometrics, Speed and Agility (1.5 Units)
This course will introduce students to equipment and drills used to improve strength, power, speed, agility, and jumping ability while developing coordination and balance.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 17.1 Interval Training (1.5 Units)
Interval training is a discontinuous style of training where different intensities and/or types of exercises are alternated along with rest periods. Course will include various methods of interval training including a warm-up, cool-down, cardiovascular conditioning, muscular endurance, core training, and flexibility.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 20.1 ZUMBA (1.5 Units)
This course focuses on Zumba dance fitness. Zumba uses Latin-inspired music and dance moves for cardiovascular conditioning. The course combines dance aerobics with interval training known as intermittent training. Activities may include other forms of cardiovascular exercise and resistance training.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 21.1 Cardio Kickboxing (1.5 Units)
This course emphasizes a total body workout through cardio kickboxing. Cardio kickboxing incorporates punches and kicks in a choreographed routine to music to improve cardiovascular conditioning, muscular endurance, and body composition. Course will also include resistance training, core exercise, and stretching.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 25.1 Vinyasa Flow Yoga (1.5 Units)
Vinyasa flow is a style of yoga where asanas/poses are performed in a sequence and synchronized with the breath. This style of yoga flows smoothly from one pose to the next, creating continuous movement that promotes cardiovascular and muscular conditioning. Flexibility, strength, balance, and coordination are also emphasized. This course covers the history and philosophy of yoga, breathing techniques and meditiation.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 26.1 Gentle Yoga (1.5 Units)
Gentle yoga is based on hatha style yoga yet is less strenuous than other forms. This class benefits students that may have physical challenges, limited flexibility or those looking for a more relaxed, stress reducing yoga experience.The course progresses at a slower pace and focuses on stretching all areas of the body, while releasing stress and tension from joints and muscles.Yoga techniques for stress reduction, including breathing, meditation, and relaxation methods will be emphasized.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 30.1 Stability Ball Training (1.5 Units)
The focus of this course is core training exercise using a stability ball. Stability ball training emphasizes balance, proprioception, stability, and muscular endurance. Class may also include cardiovascular conditioning and flexibility training.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 31.1 Pilates Yoga Fusion (1.5 Units)
This class blends concepts of yoga and Pilates into one class for a comprehensive mind/body workout. Class will include exercises for improving core strength, muscular endurance, coordination, stability and flexibility. Focus will be on proper breathing techniques, form, alignment and integration of both Pilates and yoga principles into the workout.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 32 Introduction to Barre Fitness (1.5 Units)
Students will participate in a combination of ballet barre work, core conditioning, yoga, and therapeutic exercises with a focus on controlled movements and proper body alignment. This introductory-level barre class is for students with no barre fitness experience.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 32.1 Beginning Barre Fitness (1.5 Units)
Students will participate in ballet barre work, core conditioning, yoga, and orthopedic exercises with a focus on controlled movements and proper body alignment. This beginning-level barre class is for students with minimal barre fitness experience.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 32.2 Intermediate Barre Fitness (1.5 Units)
Students will participate in ballet barre work, core conditioning, yoga, and orthopedic exercises with a focus on controlled movements and proper body alignment. This intermediate-level barre class is for students with previous barre fitness experience.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 32.3 Advanced Barre Fitness (1.5 Units)
Students will participate in ballet barre work, core conditioning, yoga, and orthopedic exercises with a focus on controlled movements and proper body alignment. This advanced-level barre class is for experienced barre fitness students.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 35.1 Walking for Fitness (1.5 Units)
This course is designed to teach and apply the principles of lifetime physical fitness: cardio-respiratory endurance, muscular strength, muscular endurance, flexibility and body composition. A variety of health and wellness issues will be addressed. The components of fitness will be met through structured individually paced fitness, walking techniques and strength conditioning exercises.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 36.1 Jogging for Fitness (1.5 Units)
The emphasis of this course is on life-long exercise principles combined with the immediate benefit of a strength and aerobic workout. Using jogging as the aerobic exercise of choice, this course examines cardio-respiratory fitness, exercise principles, and how to design and evaluate fitness programs/workouts. This course will emphasize target Heart Rate: how to find it and how to use it when establishing and evaluating goals. The student will experiment with different types of workout and be encouraged to apply the information to their own body and level of conditioning.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 37 Introduction to Boot Camp Training (1.5 Units)
Students will participate in introductory-level boot camp-style training through cardiovascular and muscle conditioning exercises.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 37.1 Boot Camp (1.5 Units)
The course emphasizes a whole body workout through boot camp-style training. Boot camp incorporates calisthenics, cardiovascular and muscular conditioning, agility, drills, and interval training.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KFIT 50 Teaching Aide (1-2 Units)
Teaching techniques for teacher's assistants in Kinesiology and Athletics. Student will assist faculty in a classroom environment for a semester. Students enrolling in this class must have prior approval from the supervising faculty member. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Students enrolling in this class must have prior approval from the supervising faculty member.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KFIT 61 Personal Fitness Training (0.5-1.5 Units)
This course is designed to provide students with fundamental exercise training guidelines and principles to improve personal fitness. This course offers flexibility to complete the participation requirement during any open gym hours at the assigned campus. A required orientation and fitness assessments will be completed as part of the course.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KFIT 62 Personal Fitness Technique (0.5-1.5 Units)
This course is designed to provide fitness training instruction and experience using proper form and technique based on principles of biomechanics and personal fitness level. This course offers flexibility to complete the participation requirement during any open gym hours at the assigned campus. Fitness assessments will be completed as part of the course.
Prerequisites/Corequisites: Course Completion of KFIT 61
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KFIT 63 Personal Fitness Health and Wellness (0.5-1.5 Units)
This course is designed to provide students with health and wellness principles and behavior modification strategies to enhance their personal fitness program. This course offers flexibility to complete the participation requirement during any open gym hours at the assigned campus. Fitness assessments will be completed as part of the course.
Prerequisites/Corequisites: Course Completion of KFIT 61
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KFIT 64 Personal Fitness Program Design (0.5-1.5 Units)
This course is designed to provide instruction and experience in exercise program design based on personal fitness goals and assessments using proper protocols and exercise training guidelines. This course offers flexibility to complete participation requirement during any open gym hours at the assigned campus. Fitness assessments will be completed as part of this course.
Prerequisites/Corequisites: Course Completion of KFIT 61
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Kinesiology Individual Sports (KINI)

KINI 2.1 Beginning Badminton (1.5 Units)
Students will be introduced to the fundamental skills, strategies, and court etiquette of badminton.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 2.2 Intermediate Badminton (1.5 Units)
Students will be learn intermediate level badminton skills, strategies, techniques, and rules of the game. Rec Prep: Course Completion of KINI 2.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 2.3 Advanced Badminton (1.5 Units)
Students will be learn theory and practice of advanced level badminton skills, techniques, and tactics of competition. Rec Prep: Course Completion of KINI 2.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 3.1 Beginning Golf (1.5 Units)
The purpose of this course is to provide students with an understanding of the game of golf, along with fundamentals, techniques, rules, and etiquette. Through this course students will learn the correct mechanics needed for the basics of beginning golf.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 3.2 Intermediate Golf (1.5 Units)
The purpose of this course is to provide intermediate students with an understanding of the game of golf, along with strong fundamentals, rules, and etiquette. This course will enable every student to approach each situation with the knowledge and confidence needed to create a successful and more enjoyable round of golf. Rec Prep: Course Completion of KINI 3.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 3.3 Advanced Golf (1 Units)
Advanced skills of golf that simulate situations that would occur on a golf course. Driving range work that will include short game, all clubs, mental aspects of course management, and goal cards. Rec Prep: Course Completion of KINI 3.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 4.1 Beginning Tennis (1.5 Units)
This course is designed to provide instruction in the fundamental skills, basic strategies, and the rules of tennis.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 4.2 Intermediate Tennis (1.5 Units)
The purpose of this course is to provide instruction for the intermediate tennis player including skill development and competitive strategies. Rec Prep: Course Completion of KINI 4.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 4.3 Advanced Tennis (1.5 Units)
The purpose of this course is to provide advanced instruction in the techniques, tactics and strategies associated with competitive tennis. Special emphasis placed on drills and competitive play situations. Rec Prep: Course Completion of KINI 4.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINI 79.1 Introduction to Pickleball (1.5 Units)
Students will learn the fundamental skills, basic techniques, game strategies and rules of pickleball.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KINI 79.2 Intermediate Pickleball (1.5 Units)
Students will learn intermediate-level pickleball skills, participate in game play, and review the rules of the game. Students improvement of individual skills, doubles techniques, and game strategies will be emphasized. Rec Prep: Course completion of KINI 79.1.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KINI 79.3 Advanced Pickleball (1.5 Units)
Students will learn advanced-level pickleball skills, participate in game play, and review the rules of the game. Students improvement of individual skills, doubles techniques, and game strategies will be emphasized. Rec Prep: Course Completion of KINI 79.2 (or KINDV 79.2)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Kinesiology Team Sports (KINT)

KINT 1.1 Football Passing Game (1 Units)
In this football course, students will learn the passing game from both an offensive and defensive perspective. It will include a variety of offensive and defensive skills, strategies, techniques, and related football concepts.
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 2.1 Touch Football (1 Units)
Touch football with an emphasis on skills, techniques, and strategies of team play. Students will demonstrate overall offensive and defensive strategies. The strategies will include offensive passing and run game utilizing all skilled positions with emphasis on formation variety and routes concept application. Defensive concepts students will understand and apply will include zone and man schemes.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 4 Introduction to Basketball (1.5 Units)
First-time basketball players will learn basic shooting, dribbling, passing, and defensive basketball techniques.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 4.1 Beginning Basketball (1.5 Units)
Students will learn beginning level techniques, tactics and strategies associated with competitive basketball. Special emphasis is placed on drills and competitive play situations.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 4.2 Intermediate Basketball (1.5 Units)
Students will learn intermediate level techniques, tactics and strategies associated with competitive basketball. Special emphasis is placed on drills and competitive play situations. Rec Prep: Course Completion of KINT 4.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 4.3 Advanced Basketball (1.5 Units)
Students will learn advanced instruction in the techniques, tactics and strategies associated with competitive basketball. Special emphasis will be placed on drills and competitive play situation. Rec Prep: Course Completion of KINT 4.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 6.1 Beginning Soccer (1.5 Units)
Students will learn beginning techniques, tactics and strategies associated with competitive soccer. Special emphasis is placed on drills and competitive play situations.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 6.2 Intermediate Soccer (1.5 Units)
Students will learn intermediate techniques, tactics and strategies associated with competitive soccer. Special emphasis is placed on drills and competitive play situation. Rec Prep: Course Completion of KINT 6.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 6.3 Advanced Soccer (1.5 Units)
Students will learn advanced techniques, tactics and strategies associated with competitive soccer. Special emphasis placed on drills and competitive play situation. Rec Prep: Course Completion of KTEAM 6.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 7 Introductory Indoor Soccer (1.5 Units)
Students will learn indoor soccer fundamental skills and rules of the game at the introductory level.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 7.1 Indoor Soccer (1.5 Units)
Students will learn basic indoor soccer fundamentals and rules of the game.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 7.2 Intermediate Indoor Soccer (1.5 Units)
Students will learn indoor soccer fundamental skills and rules of the game at the intermediate level.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 7.3 Advanced Indoor Soccer (1.5 Units)
Students will learn indoor soccer fundamental skills and rules of the game at the advanced level.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

KINT 8 Introductory Volleyball (1.5 Units)
This course will introduce students to fundamentals, team concepts, and rules of the game of volleyball. Students will participate in 2-person, 3-person, 4-person, and 6-person competition.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 8.1 Beginning Volleyball (1.5 Units)
This course will introduce students to fundamentals, team concepts, and rules of the game of volleyball. Students will participate in 2-person, 3-person, 4-person, and 6-person competition.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 8.2 Intermediate Volleyball (1.5 Units)
Students will learn intermediate-level volleyball skills, participate in match play, and review the rules of the game. Student improvement of individual skills, team techniques, and game strategies will be emphasized.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 8.3 Advanced Volleyball (1.5 Units)
Theory and practice of advanced volleyball. Advanced techniques and tactics of tournament competition. This class will include drills, practice, and intensive review of rules and tournament play. Rec Prep: Course Completion of KINT 8.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 9 Introductory Outdoor Volleyball (1 Units)
Students will learn introductory outdoor volleyball fundamentals and rules of the game. Practice and participation in match play and tournament play will be emphasized.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 9.1 Beginning Outdoor Volleyball (1 Units)
This activity course is designed to teach basic outdoor volleyball fundamentals and rules of the game. Practice and participation in match play and tournament play will be emphasized.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 9.2 Intermediate Outdoor Volleyball (1 Units)
Students will learn intermediate outdoor volleyball fundamentals and rules of the game. Practice and participation in match play and tournament play will be emphasized.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 9.3 Advanced Outdoor Volleyball (1 Units)
Students will learn advanced outdoor volleyball fundamentals and rules of the game. Practice and participation in match play and tournament play will be emphasized.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 10 Introductory Volleyball Quads (1.5 Units)
Students will be introduced to co-ed competition-based 4-person volleyball class, designed to increase contact exposure and increase fundamental skills of volleyball.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 10.1 Beginning Volleyball Quads (1.5 Units)
This course will introduce students to a co-ed competition-based 4-person volleyball class, designed to increase contact exposure and increase beginning and fundamental skills of volleyball. Rec Prep: Course Completion of KINT 8.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 10.2 Intermediate Volleyball Quads (1.5 Units)
This course will introduce students to a co-ed competition-based 4-person volleyball class, designed to increase contact exposure to intermediate and fundamental skills of volleyball. Rec Prep: Course Completion of KINT 8.1.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

KINT 10.3 Advanced Volleyball Quads (1.5 Units)
This course will introduce students to a co-ed competition-based 4-person volleyball class, designed to increase contact exposure to advanced and fundamental skills of volleyball. Rec Prep: Course Completion of KINT 8.2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

Library & Information Resource (LIR)

LIR 10 Introduction to Information Literacy (1 Units)
An introductory course to learn and apply the skills needed to conduct research efficiently and effectively. Rec Prep: Course Eligibility for ENGL C1000 or equivalent; and Course Completion of CS 101A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8

LIR 770 Library Research Skills Lab
An open-entry/open-exit class for students who seek supplementary research instruction intended to strengthen skills and reinforce mastery of concepts taught in a referring course or courses. Instruction directly supports research learning objectives and assignments from multiple courses required in the GE and CE patterns including but not limited to AGRI 10, ANTHRO 1, ART 1.1, ART 1.2, ART 2.3, ASL 3, BIO 10, CHEM 1A, CHEM 1B, CHILD 10, COMM 1, COMM 7, COUN 10, CS 5, EMC 133B, ENGL 50, ENGL 1A, ENGL 5, ENVS 12, ESL 100, ESL 10, FDNT 10, HIST 17.1, HIST 18.1, MICRO 5, NR 75C-D, PHIL 3, PHIL 5, POLS 1, PSYCH 1A, PSYCH 1B, PSYCH 3, PSYCH 30, SOC 2, and SOC 5.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Lifelong Learning (LL)

LL 501 Creative Arts for Older Adults
This course is designed to enrich the quality of life of older adults through art. A variety of media such as painting, drawing, crafts and collage encourage creativity and self-expression. Course activities promote or maintain physical, mental, social and emotional well-being and accommodate varying skill levels. This course is offered at numerous locations in Sonoma County.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

LL 502 Writing for Older Adults
This course is designed to teach older adults the skills necessary to write life stories, prose, and poetry. A supportive learning environment allows students to read their stories and receive feedback in order to bring interest and clarity to their writing. Course activities promote or maintain mental, social and emotional well-being and accommodate varying skill levels. This course is offered online and at numerous locations throughout Sonoma County in partnership with senior service providers.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

LL 505 Special Interest Discussion Groups
This course is designed to engage older adults in lively discussions such as consumer issues, current events, healthy aging and literature. A supportive learning community encourages expression of thoughts and feelings, deepening of understanding and openness to new ideas and divergent perspectives. The course develops effective communication skills and enhances the quality of life.This course is offered online and at numerous locations throughout Sonoma County in partnership with senior service providers.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

LL 507 Fitness for Older Adults
This course is designed to enrich the quality of life of older adults through exercise. Course activities promote or maintain physical, mental, social and emotional well-being and accommodate varying skill levels. A variety of activities, including strength training, stretching, brain aerobics, interactive games, and relaxation are incorporated to encourage a healthier and more active life. This course is offered at numerous locations in Sonoma County in partnership with senior service providers.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

LL 581 Musical Experience
This course is designed to enrich the quality of life of older adults through music. The course activities promote or maintain physical, mental, social and emotional well-being and accommodate varied skill levels. A variety of stimulating and uplifting activities are incorporated, may include movement to music, remembering old favorites, singing, playing instruments, and discovering new music. This course is offered online and at numerous locations throughout Sonoma County in partnership with senior service providers.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Mathematics (MATH)

MATH 1A Calculus, First Course (5 Units)
Limits and continuity, differentiation, applications of the derivative, integration, applications of the integral.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MATH 900 S
Grading Type: Letter
GE: AA/AS Area 2,CalGETC Area 2

MATH 1B Calculus, Second Course (5 Units)
Topics include methods of integration, conic sections, polar coordinates, infinite sequences and series, parametric equations, solid analytic geometry, and vectors.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MATH 230, C-ID MATH 900 S
Grading Type: Letter
GE: AA/AS Area 2,CalGETC Area 2

MATH 1C Calculus, Third Course (4 Units)
Multivariable calculus including partial differentiation and multiple integration, vector analysis including vector fields, line integrals, surface integrals, and the theorems of Green, Gauss and Stokes.
Prerequisites/Corequisites: Course Completion of MATH C2220 (or MATH 1B)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 2

MATH 2 Calculus, Fourth Course-Differential Equations (4 Units)
Students will learn to recognize, solve, and model applications using first, second, and higher order differential equations. Topics studied will include series solutions, numerical methods, introduction to Laplace transforms, and systems of differential equations with applications.
Prerequisites/Corequisites: Course Completion of MATH 1C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MATH 4 Discrete Mathematics (4 Units)
Introductory discrete mathematics course including formal logic, Boolean logic and logic circuits, mathematical induction, introduction to number theory, set theory, principles of combinatorics, functions, relations, recursion, algorithm efficiency and graph theory. Rec Prep: Course Completion of MATH C2210 (or MATH 1A)
Prerequisites/Corequisites: Completion of MATH 27 or higher (MATH); OR Course Completion of MATH 25 and MATH 58; OR AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 2,CalGETC Area 2

MATH 5 Introduction to Linear Algebra (4 Units)
An introduction to linear algebra including the theory of matrices, determinants, vector spaces, linear transformations, eigenvectors, eigenvalues and applications. Rec Prep: Concurrent enrollment in MATH 1C or MATH 2.
Prerequisites/Corequisites: Completion of MATH C2220 or higher (MATH)
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MATH 250
Grading Type: Letter

MATH 6 An Introduction to Higher Mathematics (4 Units)
Students will be introduced to topics in higher mathematics including introductory set theory and formal logic, proof techniques, mathematical induction, equivalence relations, functions and cardinalities of sets as applied to number theory, calculus, and modern algebra.
Prerequisites/Corequisites: Course Completion of MATH C2220 (or MATH 1B)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MATH 7 Introduction to STEM Careers (1 Units)
This course covers the methods for development of career pathways in fields such as science, technology, engineering, and mathematics (STEM). Students will learn to use STEM related job-search tools, identify key job skills, develop a plan for acquiring those skills, and use communication skills related to a particular career or area of research in which the student has an interest. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of AGRI 20 OR ANSC 20 OR ASTR 3 OR ASTR 4 OR BIO 10 OR CHEM 42 OR CS 10A OR ENGR 10 OR ENVS 12 OR GEOL 1 OR NRM 12 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

MATH 8 Foundations of Data Science (4 Units)
In this course, students will study the Foundations of Data Science from three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze that data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design. Rec Prep: Course Completion of CS 81.41A and one of the following MATH courses (STAT C1000, MATH 1A, MATH 4) or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 2

MATH 9 Finite Mathematics (4 Units)
Sets, matrices, systems of equations and inequalities, linear programming, combinatorial techniques and probability, mathematics of finance, Markov chains, game theory.
Prerequisites/Corequisites: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra. Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MATH 130
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 2,CalGETC Area 2

MATH 10 Nature of Mathematics (3 Units)
In this course, students will explore a variety of mathematical topics, develop their quantitative reasoning skills, and apply these to real-world applications. Topics include mathematical reasoning and a selection of the following: number systems, geometry, logic, sets, combinatorics, probability, statistics, graph theory, mathematical modeling, financial mathematics, matrices, and the history and culture of mathematics.
Prerequisites/Corequisites: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra. Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 2,CalGETC Area 2

MATH 16 Business Calculus (4 Units)
Students will study calculus concepts and techniques. Emphasis will be placed on the application of these concepts and techniques to business and management related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential, and logarithmic functions are studied.
Prerequisites/Corequisites: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra. Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MATH 140
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 2,CalGETC Area 2

MATH 25 Precalculus Algebra (4 Units)
College algebra topics, including equations, expressions, functions, inverse functions, graphs, applications, complex numbers, sequences and series.
Prerequisites/Corequisites: Concurrent Enrollment in or Completion of MATH 225 OR Course Completion of MATH 154 OR Course Completion of MATH 156 OR appropriate AB705 Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 2,CalGETC Area 2

MATH 27 Precalculus Algebra and Trigonometry (6 Units)
In this course, students will study topics from college algebra and trigonometry, including equations, expressions, functions, inverse functions, and graphs. Topics will also include polar coordinates, parametric equations, complex numbers, vectors, and sequences and series. Taking this course is the equivalent to taking the combination of MATH 25 and MATH 58.
Prerequisites/Corequisites: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra. Math Tier 2 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 2,CalGETC Area 2

MATH 49 Independent Study in Mathematics (1-3 Units)
Seminars or individual conferences by arrangement to provide for independent study and enriched academic experience in Math. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.) Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Prerequisites/Corequisites: Course Completion of MATH 154 or Course Completion of MATH 155 or higher; OR AB705 placement into Math Tier 3 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

MATH 58 Precalculus Trigonometry (3 Units)
Trigonometry topics, including trigonometric identities, equations, functions, inverse functions, graphs, polar coordinates, parametric equations, complex numbers, vectors, and applications.
Prerequisites/Corequisites: Course Completion of MATH 25
Transferability: Transferable to CSU
Grading Type: Letter
GE: AA/AS Area 2

MATH 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

MATH 74 Mathematics for Elementary School Teachers - Number Systems (4 Units)
Students will learn mathematical concepts needed for teaching elementary school mathematics including quantitative reasoning, number systems and subsystems, basic number theory, logical thinking, and applications. Content is relevant to national curriculum standards and Common Core State Standards.
Prerequisites/Corequisites: Completion of MATH 161 or MATH 154 or MATH 156 or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter
GE: AA/AS Area 2

MATH 101 Mathematics for the Associate Degree (3 Units)
Students will learn four mathematics topics selected from functions, financial math, geometry, linear programming, probability and statistics, reasoning, and trigonometry. This course fulfills the mathematics competency requirement for an associate degree from SRJC. It is not recommended for students intending to transfer.
Prerequisites/Corequisites: Completion of Elementary Algebra OR AB705 placement into Math Tier 1 or higher
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 2

MATH 201 Calculus 1 Concurrent Support (2 Units)
Students will receive additional instructional support to enhance learning and promote conceptual understanding of Calculus 1. This course gives students an opportunity to strengthen their study skills and foundational mathematics competencies, and it allows more time with their instructor. Required for students who are concurrently enrolled in Math 1A and who have not passed precalculus in high school or have a high school GPA less than 2.7. All Math 1A students who wish additional support are welcome and encouraged to enroll in this course.
Prerequisites/Corequisites: Concurrent Enrollment in MATH 1A
Grading Type: Pass/No-Pass

MATH 209 Finite Mathematics Concurrent Support (1 Units)
Students will receive additional instructional support to enhance learning and promote conceptual understanding of Finite Mathematics. This course gives students an opportunity to strengthen their study skills and foundational mathematics competencies, and it allows more time with their instructor. Required for students who are concurrently enrolled in Math 9 and who have not passed intermediate algebra or Math 3 in high school or have a high school GPA less than 2.7. All Math 9 students who wish additional support are welcome and encouraged to enroll in this course.
Prerequisites/Corequisites: Concurrent Enrollment in MATH 9
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass

MATH 210 Nature of Math Concurrent Support (1 Units)
Students will receive additional instructional support to enhance learning and promote conceptual understanding of Nature of Math. This course gives students an opportunity to strengthen their study skills and foundational mathematics competencies, and it allows more time with their instructor. Required for students who are concurrently enrolled in Math 10 and who have not passed intermediate algebra or Math 3 in high school or have a high school GPA less than 2.7. All Math 10 students who wish additional support are welcome and encouraged to enroll in this course.
Prerequisites/Corequisites: Concurrent Enrollment in MATH 10
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass

MATH 215 Elementary Statistics Concurrent Support (2 Units)
Students will receive additional instructional support to enhance learning and promote conceptual understanding of statistics. This course gives students an opportunity to strengthen their study skills and allows more time with their statistics instructor, to review core prerequisite skills, competencies, and concepts needed in statistics. This course emphasizes statistical reasoning and the application of statistical methods. It is designed for students concurrently enrolled in Math 15 who have not passed intermediate algebra or Math 3 in high school. Students with a high school GPA below 2.7 are recommended to enroll, but all Math 15 students seeking additional support are welcome and encouraged to participate.
Prerequisites/Corequisites: Concurrent Enrollment in STAT C1000 (or MATH 15)
Grading Type: Pass/No-Pass

MATH 216 Business Calculus Concurrent Support (1 Units)
Students will receive additional instructional support to enhance learning and promote conceptual understanding of Business Calculus. This course gives students an opportunity to strengthen their study skills and foundational mathematics competencies, and it allows more time with their instructor. Required for students who are concurrently enrolled in Math 16 and who have not passed intermediate algebra or Math 3 in high school or have a high school GPA less than 2.7. All Math 16 students who wish additional support are welcome and encouraged to enroll in this course.
Prerequisites/Corequisites: Concurrent Enrollment in MATH 16
Grading Type: Pass/No-Pass

MATH 225 Precalculus Algebra Concurrent Support (3 Units)
In this course, students will review the core mathematical skills, competencies, and concepts needed to succeed in precalculus algebra. Intended for students who are concurrently enrolled in Precalculus Algebra (MATH 25). Rec Prep: Course Completion of CSKL 372 and CSKL 373.
Prerequisites/Corequisites: Concurrent Enrollment in MATH 25
Grading Type: Only Pass/No-Pass Credit, Pass/No-Pass

MATH 450 Elementary Algebra
In this course, students will learn beginning algebra topics, including equations and inequalities in one variable, integer exponents, polynomials, equations and inequalities in two variables, rational expressions, radicals and rational exponents, and quadratic equations.
Prerequisites/Corequisites: CSKL 372 or CSKL 373 or AB705 placement into Math Tier 1 or higher
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

MATH 770 Supplemental Instruction: Math and Science
An open-entry, open-exit class for students who seek, through supplemental instruction and use of computers, to strengthen and reinforce mastery of math skills developed in a referring course(s) including the following: Math 1A through Math 225, Physics 1 through Physics 43, Chemistry 3A through Chemistry 303, Engineering 6 through Engineering 103, Biology 2.1 through Biology 100, Botany 10 through Botany 60, Microbiology 5 through Microbiology 60, Physiology 1 through Physiology 58, Anatomy 1 through Anatomy 140 Computer Studies 8, Computer Studies 88, Computer Studies 10A, Computer Studies 10B, Computer Studies 10C, Computer Studies 12, and Computer Studies 81.41A, Business General 81, Economics 1 & 2, Geology 1, Surveying 53 through Surveying 62, Civil & Surveying Technology 51, Civil & Surveying Technology 63 through Civil & Surveying Technology 65, and Civil & Surveying Technology 85, Applied Technology 191, Geographic Information Systems 51 through Geographic Information Systems 52, Electronic Technology 51A. Psychology 9.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

MATH 2210 (MATH C2210) Calculus I: Early Transcendentals (5 Units)
A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. Additionally, at SRJC, students who have not passed Precalculus or its equivalent or have a high school GPA below 2.7 in high school are required to take Math 201 concurrently with this course. All students are welcome to enroll concurrently in Math 201 if they would like additional support in this class.
Grading Type: Letter

MATH 2220 (MATH C2220) Calculus II: Early Transcendentals (5 Units)
A second course in differential and integral calculus of a single variable. Topics include applications of integration, techniques of integration, infinite sequences and series, and the calculus of parametric and polar equations. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. Additionally at SRJC, students will be introduced to methods of integration, conic sections, polar coordinates, infinite sequences and series, parametric equations, and analytic geometry.
Grading Type: Letter

Medical Assisting (MA)

MA 160 Introduction to Medical Office Practice (3 Units)
Students will learn the multiple functions performed by the Medical Assistant: appointment scheduling; communication skills and record management, including confidentiality. Focus is on professionalism in the development of organizational, decision-making and computer skills. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of ANAT 140, HLC 140, HLC 160, LIR 10, and PSYC C1000; AND Concurrent Enrollment in MA 161, MA 162, MA 163, MA 167
Grading Type: Letter

MA 161 Law and Ethics for Medical Assistants (1 Units)
Survey of medical law and ethics related to work in medical settings. Emphasis on implications and decision making for patients, providers, medical assistants, and other health professionals. Special attention is given to patient privacy laws. Assignments and discussions will allow students to examine their own personal and cultural values and decision making processes and compare those to the value systems, laws, and decision making processes described in the text. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of ANAT 140, HLC 140, HLC 160, LIR 10, and PSYC C1000 (formerly 1A); AND Concurrent Enrollment in MA 160, MA 162, MA 163, MA 167
Grading Type: Letter

MA 162 Disease Processes (3 Units)
In this course, students will learn about diseases of body systems and terminology of medical specialties with development, analysis, interpretation, and application of advanced medical terminology used in a variety of medical settings. This includes advanced terminology related to body systems and medical specialties and associated with anatomic terms, pathophysiology, diagnoses, symptoms, conditions, medical and surgical procedures, clinical and diagnostic laboratory, and medications. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of ANAT 140, HLC 140, HLC 160, LIR 10, and PSYC C1000; AND Concurrent Enrollment in MA 160, MA 161, MA 163, MA 167
Grading Type: Letter

MA 163 Beginning Clinical Skills for Medical Assisting (3 Units)
Course focuses on beginning clinical medical assisting skills and responsibilities for the clinical area of a medical office or other appropriate medical facility. Covers proper handwashing; use of personal protective equipment; medical and surgical aseptic procedures; vital signs determination; assisting with physical examinations/rooming, including safe transfers, positioning and draping, height, weight, obtaining patient history; disinfection and sterilization techniques; assisting with minor office procedures; application of physical agents to promote tissue healing; patient teaching on ambulatory aids and cast care. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of HLC 160, LIR 10, PSYC C1000 (formerly 1A), ANAT 140, HLC 140; AND Concurrent Enrollment in MA 160, MA 161, MA 162, MA 167
Grading Type: Letter

MA 164 Theories of the Clinical Laboratory (2 Units)
Introduction to the clinical laboratory. Urinalysis, hematology, blood chemistry, serology testing, and normal ranges are studied. Students will learn about low complexity tests and how general microscopic slide testing is performed. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of MA 160, MA 161, MA 162, MA 163, MA 167; AND Concurrent Enrollment in MA 165, MA 168, MA 169, and MA 174
Grading Type: Letter

MA 165 Pharmacology and Administration of Medications (3 Units)
Course covers basic pharmacology, including principles of safe preparation, administration, and documentation of medications and vaccinations by oral, parenteral, and topical/transdermal routes. Students review basic math calculations and conversions for preparation and administration of medication and vaccinations. Medications are identified by their clinical use, mechanism of action, side effects, and adverse reactions. Risk factors for drug and alcohol abuse are presented, along with drug addiction and withdrawal symptoms. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of MA 160, MA 161, MA 162, MA 163, MA 167; AND Concurrent Enrollment in MA 164, MA 168, MA 169, and MA 174
Grading Type: Letter

MA 167 Basic Diagnostic Coding (2 Units)
In this course, students will be introduced to basic International Classification of Diseases, 10th Edition, Clinical Modification (ICD-10-CM) coding. Students will utilize their knowledge of medical terminology, disease process, and human anatomy and physiology to convert diagnostic statements into alpha-numerical codes. As each body system is studied, basic coding guidelines and logic will be presented as alpha-numeric diagnoses. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of HLC 160, LIR 10, PSYC C1000, ANAT 140, and HLC 140; AND Concurrent Enrollment in MA 160, MA 161, MA 162, and MA 163
Grading Type: Letter, Pass/No-Pass

MA 168 Basic Medical Office Insurance Billing (2 Units)
In this course, students will develop basic knowledge and skills for understanding major health insurance plans as related to medical office billing. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of MA 160, MA 161, MA 162, MA 163, MA 167; AND Concurrent Enrollment in MA 164, MA 165, MA 169, and MA 174
Grading Type: Letter

MA 169 Procedural Coding (2.5 Units)
This course is an introduction to the Current Procedural Terminology (CPT) medical coding system. Students will learn to apply their knowledge of human anatomy, physiology, medical terminology, and disease processes in order to correctly identify and code services and procedures that are provided in a variety of health care settings. Students will assign codes to services and procedures according to coding guidelines to allow for accurate statistics, claims processing, and reimbursement. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of MA 160, MA 161, MA 162, MA 163 and MA 167; AND Concurrent Enrollment in MA 164, MA 165, MA 168, and MA 174
Grading Type: Letter

MA 174 Intermediate Clinical Skills for Medical Assisting (4 Units)
Course focuses on intermediate medical assisting skills and responsibilities for the clinical area of a medical office or other appropriate medical facility. Covers general medical office procedures including, but not limited to eye and ear assessment and procedures such as visual and auditory acuity testing; gynecological and prenatal care; pediatric examination; cardiopulmonary assessment and procedures including electrocardiograms (EKGs) and oxygen therapy; radiologic and diagnostic imaging; medical office emergencies; and medication administration. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of MA 160, MA 161, MA 162, MA 163, MA 167; AND Concurrent Enrollment in MA 164, MA 165, MA 168, and MA 169
Grading Type: Letter

MA 176 Externship (4.5 Units)
This course offers a total of 240 hours of practical externship experience in outpatient clinics or other medical facilities to apply and develop entry level administrative and clinical medical assisting skills related to fundamental principles and techniques learned previously in theory and skills courses. This course is taken at the end of the program, after all of the didactic (lecture and skills lab) classes are completed successfully. Limits on Enrollment: The healthcare facilities in which students are placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative \ Recency requirement: Students must have successfully completed MA 160, MA 161, MA 162, MA 163, MA 164, MA 165, MA 167, MA 168, MA 169, and MA 174 within 3 years of enrolling in MA 176. background check, a negative urine drug screen, and possess a current American Heart Association Certified Healthcare Provider CPR/BLS card. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of MA 164, MA 165, MA 168, MA 169, and MA 174
Grading Type: Letter

Meteorology (MTER)

MTER 10 Introduction to Weather and Climate (3 Units)
In this course, students will be given a descriptive introduction to the science of the atmosphere. Topics include relationships between Earth and Sun, temperature, moisture and stability, atmospheric pressure and wind, clouds and precipitation, weather systems, hurricanes and tornadoes, weather forecasting, climate patterns and climate change, air pollution, and atmospheric optics. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A

MTER 10L Weather and Climate Lab (1 Units)
In this course, students will use hands-on lab activities to explore weather and climate phenomena. This class is the lab component for Introduction to Weather and Climate (METRO 10). Emphasis is placed on analysis and interpretation of weather reports, forecasts, surface weather maps, upper level air charts, satellite and radar imagery, and other remotely sensed data. Climate classification and climate data will also be included.
Prerequisites/Corequisites: Course Completion or Current Enrollment in MTER 10 (or METRO 10)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 5C

Microbiology (MICR)

MICR 5 General Microbiology (5 Units)
Students will study the following topics: morphology, growth, metabolism, genetics, and control of microorganisms, with emphasis on bacteria and viruses. Includes principles of microbial pathogenicity, and the human immune response. Emphasis on laboratory techniques. Intended for allied health majors considering transfer to CSU or UC.
Prerequisites/Corequisites: Course completion of ENGL 1A OR EMLS 10 (formerly ESL 10); AND Completion of BIO 10 or higher (V7); AND Completion of CHEM 60, CHEM 3A (OR CHEM 1A), or higher (V6)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

MICR 60 Fundamentals of Microbiology (4 Units)
Students will study the major concepts of microbiology with emphasis on those related to infectious disease. Students will learn basic techniques for cultivation and identification of microorganisms. Rec Prep: Course Completion of ENGL C1000 (or ENGL 1A)
Prerequisites/Corequisites: Course completion of BIO 10 or higher (V7); AND Completion of CHEM 60, CHEM 3A (OR CHEM 1A), or higher (V6)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Music (MUSC)

MUSC 1 Music Fundamentals (3 Units)
This course is designed for students with little or no formal musical training. Students are introduced to basic musical concepts, terminology, and music reading through exercises in rhythm, singing, and on the piano keyboard. Topics include notation, rhythm, scales, intervals, chords, key signatures, and the circle of fifths. Recommended for prospective Music majors who lack the music reading skills for MUSC 2A/3A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 2A Music Theory 1 (3 Units)
This course introduces students to music theory and its application in various musical styles. Topics include properties of sound, rhythm and meter, scales and modes, key signatures and the Circle of Fifths, intervals and transposition, chords and progressions, figured bass and Roman numeral analysis, phrases and cadences, and formal structure. The historical and social context of the above concepts will be discussed with musical examples drawn from history and global culture. Development of skill in handwritten notation is expected. Rec Prep: Concurrent enrollment in MUSC 3A AND concurrent enrollment in MUSP11A or another appropriate piano course.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MUS 120
Grading Type: Letter
GE: AA/AS Area 3

MUSC 2B Music Theory 2 (3 Units)
A study of common-practice diatonic harmony and part writing. Students will explore progressions with triads and dominant seventh chords, an introduction to species counterpoint, principles of four-part SATB (soprano/alto/tenor/bass) arranging, nonharmonic tones, melody writing, bass line construction, the use of notation software, and a brief historical survey of the development of harmony and texture in Western classical and contemporary music. Rec Prep: Concurrent Enrollment in MUSC 3B (or MUS 3B) and Concurrent Enrollment in MUSP 11B (or MUSCP 11B).
Prerequisites/Corequisites: Course Completion of MUSC 2A (or MUS 2A)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 2C Music Theory 3 (3 Units)
An introduction to chromatic harmony through writing and analysis. Students will explore dominant and non-dominant seventh chords, secondary (applied) dominant and leading-tone chords, tonicization, modulation, binary and ternary forms, and an overview of larger forms. Rec Prep: Concurrent enrollment in MUSC 3C AND concurrent enrollment in MUSP 11C or another appropriate piano course.
Prerequisites/Corequisites: Course Completion of MUSC 2B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 2D Music Theory 4 (3 Units)
A study of advanced chromaticism in common-practice harmony with an introduction to Impressionist, Post-Romantic, Modern (Post-Tonal), and Postmodern musical techniques. Students will explore borrowed chords and mode mixture; chromatic mediants; Neapolitan and augmented-sixth chords; enharmonic reinterpretation and modulation; ninth, eleventh, and thirteenth chords; pandiatonicism and polytonality; set theory; 12-tone serialism; and advanced concepts of meter and rhythm. Rec Prep: Concurrent enrollment in MUSC 3D AND concurrent enrollment in MUSP 11D or another appropriate piano course.
Prerequisites/Corequisites: Completion of MUSC 2C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 3A Musicianship 1 (1 Units)
Musicianship 1 applies and develops the materials of Music Theory 1 through sight singing, ear training, and dictation. Students will increase their fluency with rhythm, major and minor scales, intervals, triads, and diatonic melodies. Rec Prep: Concurrent enrollment in MUSC 2A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 3B Musicianship 2 (1 Units)
Musicianship 2 applies and develops the materials of Music Theory 2 through sight singing, ear training, and dictation. Students will focus on rhythmic subdivision, melodies in major and minor keys (simple and compound meter), fluency in alto and tenor clefs, and 2- and 4-part dictation of diatonic chord progressions with triads and dominant seventh chords. Rec Prep: Concurrent enrollment in MUSC 2B.
Prerequisites/Corequisites: Course Completion of MUSC 3A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 3C Musicianship 3 (1 Units)
Musicianship 3 applies and develops the materials of Music Theory 3 through sight singing, ear training, and dictation. Students will engage with syncopation, non-dominant seventh chords, secondary dominant and leading-tone chords, tonicization, and modulation to closely related keys. Rec Prep: Concurrent enrollment in MUSC 2C.
Prerequisites/Corequisites: Course Completion of MUSC 3B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 3D Musicianship 4 (1 Units)
Musicianship 4 applies and develops the materials of Music Theory 4 through sight singing, ear training, and dictation. Students will explore diatonic modes; borrowed chords and mode mixture; the Neapolitan and augmented sixth chords; modulations to distantly related keys; and other musical techniques of the Renaissance, Late Romantic era, and twentieth century. Rec Prep: Concurrent enrollment in MUSC 2D.
Prerequisites/Corequisites: Course Completion of MUSC 3C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 4A Jazz, Rock, and Pop Theory 1 (3 Units)
The study of music theory as it pertains to jazz, rock, and popular music. Topics include analysis and construction of chord progressions, analysis of rhythmic elements, transposing for wind instruments, and rhythm section writing. Students complete two arranging projects. Rec Prep: Course Completion of MUSC 2A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 4B Jazz, Rock, and Pop Theory 2 (3 Units)
Continued study of music theory relative to contemporary musical styles. Emphasis is on four-part harmonization of a melodic line and its applications in small and large ensembles. Study also includes accompaniment practices and counterpoint.
Prerequisites/Corequisites: Course Completion of MUSC 4A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 5A Jazz Improvisation 1 (3 Units)
This course provides instrumental students with the tools and techniques for jazz improvisation at a beginning level. Topics include scales, arpeggios, the elements of jazz harmony, the blues, and characteristic chord progressions. Rec Prep: Ability to play all major scales on a musical instrument.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 5B Jazz Improvisation 2 (3 Units)
This course provides instrumental students with the tools and techniques for jazz improvisation that enable them to progress toward an intermediate level. Analysis of harmonic and melodic materials, extensive listening, and performance exercises will assist the student in his/her development as an improvisor.
Prerequisites/Corequisites: Completion of MUSC 5A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 5C Jazz Improvisation 3 (3 Units)
This course provides instrumental students with the tools and techniques for jazz improvisation at an intermediate level. Analysis of harmonic and melodic materials, extensive listening, and performance exercises will assist the student in his/her development as an improvisor.
Prerequisites/Corequisites: Completion of MUSC 5B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 5D Jazz Improvisation 4 (3 Units)
This course provides instrumental students with the tools and techniques for jazz improvisation at an advanced level. Analysis of harmonic and melodic materials, extensive listening, and performance exercises will assist the student in his/her development as an improvisor.
Prerequisites/Corequisites: Course Completion of MUSC 5C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 6.1 Music History and Literature: Antiquity to 1750 (3 Units)
An in-depth historical study of music in Western civilization from Antiquity (c. 500 BCE) through the Baroque era (1600-1750) through stylistic analysis of music, listening in and out of class, and assigned reading.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MUS 105
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

MUSC 6.2 Music History and Literature: 1750 to Present (3 Units)
An in-depth historical study of music in Western civilization from the Enlightenment (c. 1750) to the present through stylistic analysis of music, listening in and out of class, and assigned reading.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MUS 106
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

MUSC 7 Music Appreciation (3 Units)
A survey of music literature in the Western world from the Middle Ages to the present. Students will gain an understanding of music as an art form through listening and discussion of choral, orchestral, solo, opera, chamber, and electronic works. Concert attendance is required. Open to all students, but designed for non-music majors.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MUS 100
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

MUSC 8 World Music Appreciation (3 Units)
An introduction to the musics of Africa, Asia, the Americas, Europe, Oceania, the Caribbean, and the Middle East, focusing on the interconnectedness and cross-fertilization among cultures. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 3A

MUSC 9 Jazz Appreciation (3 Units)
A lecture survey of jazz focusing on its essential musical elements, its origins and evolution as an African-American art form, and the contributions of other American racial/cultural/ethnic groups. Special attention is given to the study of standard jazz forms, stylistic differences, and analysis of live and recorded performances. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

MUSC 10 Survey of American Music (3 Units)
An introductory survey of music in the United States; what makes it unique, and how it became influential worldwide. Students will explore America's diverse cultures, their historical roots, and how they influenced the development of American music. Musical genres will include Native American, folk styles, jazz, rock & roll, country, Latin, classical, hip-hop, and scores for film and television. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

MUSC 18.1 Diction and Repertoire: Italian (1 Units)
Students will study the literal and phonetic translation, pronunciation, and interpretation of standard operatic and art song literature in Italian. Students can challenge the course prerequisite by audition. See the Auditions Page on the Music Department website for more information. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion or Current Enrollment in MUSP 17B; OR Course Completion or Current Enrollment in MUSP 40.2; OR by Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 18.2 Diction and Repertoire: English (1 Units)
Students will study the phonetic translation, pronunciation, and interpretation of standard operatic and art song literature in English. Students can challenge the course prerequisite by audition. See the Auditions Page on the Music Department website for more information.
Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in MUSP 17B; OR Course Completion Completion or Concurrent Enrollment in MUSP 40.2; OR by Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 18.3 Diction and Repertoire: German (1 Units)
Students will study the literal and phonetic translation, pronunciation, and interpretation of standard operatic and art song literature in German. Students can challenge the course prerequisite by audition. See the Auditions Page on the Music Department website for more information.
Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in MUSP 17B; OR Course Completion or Concurrent Enrollment in MUSP 40.2; OR by Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 18.4 Diction and Repertoire: French (1 Units)
Students will study the literal and phonetic translation, pronunciation, and interpretation of standard operatic and art song literature in French. Students can challenge the course prerequisite by audition. See the Auditions Page on the Music Department website for more information.
Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in MUSP 17B; OR Course Completion or Concurrent Enrollment in MUSP 40.2; OR by Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSC 49 Independent Study in Music (0.5-3 Units)
Students will create their own independent learning plan for study in Music beyond current course offerings. Students must secure a faculty sponsor to supervise their project through seminars or individual conferences. UC determines credit AFTER transfer; not counted for admission. Enrollment is dependent upon approval of the project proposal by supervising faculty, Department Chair, and Supervising Administrator. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair, and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

MUSC 50 Introduction to Music Technology (3 Units)
This introductory course examines the concepts, terminology, techniques, and equipment related to music technology. Students will receive a solid foundation in the principles of sound, MIDI, synthesis, digital recording, and computer-based music notation, as well as hands-on experience with state-of-the-art industry hardware and software. Designed for students with an interest in composition, songwriting, digital audio, and/or multimedia.
Transferability: Transferable to CSU
Grading Type: Letter

MUSC 51 Electronic Music (3 Units)
In this course students are introduced to the techniques and elements of electronic music production. They will produce compositions utilizing MIDI sequencing, synthesis, sampling, and effects processing in a Digital Audio Workstation (DAW).
Transferability: Transferable to CSU
Grading Type: Letter

MUSC 51A Digital Audio 1: Fundamentals (3 Units)
This course covers the fundamentals of digital audio through a hands-on workshop in production and editing with a digital audio workstation (DAW). Topics include the principles of audio and digital recording, digital editing, the integration of digital audio and MIDI tracks, and digital signal processing.
Prerequisites/Corequisites: Course Completion or Current Enrollment in MUSC 50
Transferability: Transferable to CSU
Grading Type: Letter

MUSC 51B Digital Audio 2: Multimedia (3 Units)
An intermediate- to advanced-level hands-on workshop in digital audio focusing on the production of master audio tracks for multimedia applications. Topics include: audio for video and film; audio for spoken word; non-linear audio for interactive media and video gaming; podcasting and digital broadcasting; postproduction techniques; and mastering to compact disc and DVD.
Prerequisites/Corequisites: Course Completion of MUSC 51A
Transferability: Transferable to CSU
Grading Type: Letter

MUSC 52 Intro To Sound for Video Games and Media (3 Units)
An intermediate- to advanced-level hands-on workshop in digital audio focusing on the production of master audio tracks for multimedia applications. Students will explore audio for video and film, audio for spoken word, non-linear audio for interactive media and video gaming, podcasting, postproduction techniques, and mastering.
Prerequisites/Corequisites: Course Completion of MUSC 50
Transferability: Transferable to CSU
Grading Type: Letter

MUSC 55 Songwriting (3 Units)
This course is a popular songwriting workshop designed for aspiring and semi-professional songwriters. Students will create songs in several styles by analyzing and applying the lyrical, rhythmic, melodic, and harmonic strategies used in classic and contemporary songwriting. The subjects of copyrights, publishing, and distribution will also be presented.
Rec Prep: Course Completion or Concurrent Enrollment in MUSC 2A.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

MUSC 60A Intro to Studio Recording (3 Units)
This course is a comprehensive introduction to studio recording with Pro Tools. Topics include basic audio theory, the fundamentals of recording, signal flow, microphone selection and placement, mixers, patchbays, monitors, and a hands-on introduction to the Pro Tools system.
Prerequisites/Corequisites: Course Completion or Current Enrollment in MUSC 50
Transferability: Transferable to CSU
Grading Type: Letter

MUSC 60B Advanced Recording, Mixing and Mastering (3 Units)
This course covers intermediate- to advanced-level applications in studio recording with Pro Tools and an introduction to art and skill of live sound and live recording. Topics include signal processing, mixing techniques, use of plug-ins, and preparation of the final mixdown. Students will learn how to operate a recording studio independently.
Prerequisites/Corequisites: Course Completion of MUSC 60A
Transferability: Transferable to CSU
Grading Type: Letter

MUSC 70A Music Industry 1: Fundamentals (3 Units)
This course offers a broad look at the music industry in a real-world setting through collaborative learning. Students will work in teams called "base groups" to accomplish various duties associated with the operation of an independent record label. Topics include the history of the music industry, record label business models and practices, copyrights, contracts, and ethics as they pertain to creating a recorded music product. Rec Prep: Course Completion of MUSC 50
Transferability: Transferable to CSU
Grading Type: Letter

MUSC 70B Music Industry 2: Marketing & Distribution (3 Units)
This course offers a broad look at the music industry in a real-world setting through collaborative learning. Students will work in teams called "base groups" to accomplish various duties associated with the operation of an independent record label. Topics include music publishing, distribution, music marketing, live shows, and data analysis as they pertain to creating and selling a recorded music product.
Prerequisites/Corequisites: Course Completion of MUSC 70A
Transferability: Transferable to CSU
Grading Type: Letter

Music Practicum & Performance (MUSP)

MUSP 11A Class Piano 1 (2 Units)
This course is designed for students who are just starting their piano journey and want to study in a rigorous academic environment. Students will develop essential keyboard techniques including: fluency reading notes and rhythms, constructing and playing chords, the basics of improvisation, and performing beginning-level piano literature. (The curriculum of MUSP 11A corresponds to the materials of MUSC 2A.) Rec Prep: Course Completion of MUSC 1 and Concurrent enrollment in MUSC 2A and MUSC 3A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 11B Class Piano 2 (2 Units)
This course is designed for early-intermediate students looking to elevate their knowledge of piano theory, performance, and improvisation beyond the beginner level. Students will develop greater coordination of both hands, improved music reading skills (with more complex notation and rhythms), and improvisation concepts in different styles including blues. (The curriculum of MUSP 11B corresponds to the materials of MUSC 2B.) Rec Prep: Concurrent enrollment in MUSC 2B and MUSC 3B.
Prerequisites/Corequisites: Course Completion of MUSP 11A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 11C Class Piano 3 (2 Units)
This course is designed for intermediate-level students focused on expanding their repertoire and technical skills. Students will develop their musicianship and prepare for performances, showcasing their musicality in a supportive environment. Topics include scales and arpeggios, sight-reading, chord progressions, and refining harmonization and transposition skills. (The curriculum of MUSP 11C corresponds to the materials of MUSC 2C.) Rec Prep: Concurrent Enrollment in MUSC 2C and MUSC 3C.
Prerequisites/Corequisites: Course Completion of MUSP 11B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 11D Class Piano 4 (2 Units)
This course is designed for students at the intermediate to advanced level, focusing on personal expression and musical growth in a relaxed and supportive environment. Students will expand their repertoire and develop more advanced technical skills through various activities including improvisation, and exploration of different musical styles. (The curriculum of MUSP 11D corresponds to the materials of MUSC 2D.) Rec Prep: Concurrent Enrollment in MUSC 2D and MUSC 3D.
Prerequisites/Corequisites: Course Completion of MUSP 11C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 17A Elementary Voice (2 Units)
Students will study basic vocal techniques for the performance of standard and popular songs. Topics include tone production, breath control, diction, and interpreting music notation. Open to all students; no auditions required Rec Prep: Ability to read music, prior singing experience.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 17B Intermediate Voice (2 Units)
Students will study and practice intermediate-level vocal techniques and their practical application to the preparation and performance of standard vocal repertoire. Topics include interpretation, tone production, breath control, and diction. Students can challenge the course prerequisite by audition; see the Auditions page on the Music Department website for more information. Rec Prep: Course Completion or Concurrent Enrollment in MUSC 2A and MUSC 3A; AND Concurrent Enrollment in MUSP 21A, B, C, or D.
Prerequisites/Corequisites: Course Completion of MUSP 17A, OR a previous semester of MUSP 17B, OR by Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 19.1A Classical Guitar 1 (2 Units)
In this course, students learn fundamental classical guitar technique for the performance of beginning-level solo pieces, duets, and ensemble works. Reading music in the first position is emphasized. Students must provide their own acoustic guitar.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

MUSP 19.1B Classical Guitar 2 (2 Units)
This course continues the development of classical guitar technique and music reading skills through exercises, studies, solos, and ensemble playing (duets, trios, and quartets). Students will explore diverse literature from different style periods in a variety of keys.
Prerequisites/Corequisites: Course Completion of MUSP 19.1A or by audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

MUSP 19A Beginning Guitar (2 Units)
This course introduces students to the fundamentals of guitar playing through the use of songs, exercises, solo pieces, demonstrations, and recordings. Students will learn basic technique, playing chords and melodies in the first position, and reading music. Students must provide their own guitar.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

MUSP 19B Intermediate Guitar (2 Units)
This course continues the study of guitar technique through solo and ensemble performance at an intermediate level. Students will further develop their knowledge of chords, note reading, scales, and accompaniment patterns. A variety of musical styles, from classical to rock, are included in the repertoire.
Prerequisites/Corequisites: Completion of MUSP 19A or by audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

MUSP 21A Concert Choir 1 (1 Units)
The Concert Choir is a 40-60-voice mixed ensemble dedicated to the study, rehearsal, and performance of a cappella and accompanied choral literature from the Renaissance to the contemporary era. Students in 21A will dvelop their music reading skills and learn accurate vocal production. The Concert Choir performs at least two on-campus concerts each year and tours annually. Limits on Enrollment: By Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 21B Concert Choir 2 (1 Units)
The Concert Choir is a 40-60-voice mixed ensemble dedicated to the study, rehearsal, and performance of a cappella and accompanied choral literature from the Renaissance to the contemporary era. Students in 21B will learn effective management of the singing voice to achieve proper tone quality and phrasing. The Concert Choir performs at least two on-campus concerts each year and tours annually. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 21A (or MUSCP 21A)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 21C Concert Choir 3 (1 Units)
The Concert Choir is a 40-60-voice mixed ensemble dedicated to the study, rehearsal, and performance of a cappella and accompanied choral literature from the Renaissance to the contemporary era. Students in 21C will have opportunities for solos and/or section leader positions. The Concert Choir performs at least two on-campus concerts each year and tours annually. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 21B (or MUSCP 21B)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 21D Concert Choir 4 (1 Units)
The Concert Choir is a 40-60-voice mixed ensemble dedicated to the study, rehearsal, and performance of a cappella and accompanied choral literature from the Renaissance to the contemporary era. Students in 21D will have opportunities for vocal solos and/or to assume mentor/leadership roles within the choir. The Concert Choir performs at least two on-campus concerts each year and tours annually. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 21C (or MUSCP 21C)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 23A Chamber Singers 1 (1 Units)
The Chamber Singers is an advanced 16- to 32-voice mixed ensemble for experienced singers dedicated to the study, rehearsal, and performance of a cappella and accompanied literature for chamber choir. Students in 23A will develop their musicianship and performance skills to an advanced level. The Chamber Singers perform at least one major on-campus concert and several off-campus concerts each semester. Limits on Enrollment: By Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 23B Chamber Singers 2 (1 Units)
The Chamber Singers is an advanced 16-32-voice mixed ensemble for experienced singers dedicated to the study, rehearsal, and performance of a cappella and accompanied literature for chamber choir. Students in 23B will develop their vocal independence to an advanced level by cultivating self-sufficiency in learning their individual parts. The Chamber Singers perform at least one major on-campus concert and several off-campus concerts each semester. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 23A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 23C Chamber Singers 3 (1 Units)
The Chamber Singers is an advanced 16-32-voice mixed ensemble for experienced singers dedicated to the study, rehearsal, and performance of a cappella and accompanied literature for chamber choir. Students in 23C will have opportunities for vocal solos and/or section leader positions, as well as increased opportunities for outreach performance in smaller (pull-out) ensembles including quartets and caroling groups. The Chamber Singers perform at least one major on-campus concert and several off-campus concerts each semester. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 23B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 23D Chamber Singers 4 (1 Units)
The Chamber Singers is an advanced 16-32-voice mixed ensemble for experienced singers dedicated to the study, rehearsal, and performance of a cappella and accompanied literature for chamber choir. Students in 23D will have increased opportunities for vocal solos, outreach performance in smaller groups, and/or to assume mentor/leadership roles within the ensemble. The Chamber Singers perform at least one major on-campus concert and several off-campus concerts each semester. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 23C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 30A Symphonic Band 1 (1 Units)
The SRJC Symphonic Band is a large ensemble focused on the study, rehearsal, and public performance of classical and contemporary literature. Students in 30A should be experienced musicians who demonstrate the potential to perform at college level on a wind or percussion instrument. Limits on Enrollment: By Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 30B Symphonic Band 2 (1 Units)
The SRJC Symphonic Band is a large ensemble focused on the study, rehearsal, and public performance of classical and contemporary literature. Students in 30B should be experienced musicians who are able to perform at college level on a wind or percussion instrument. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 30A (or MUSCP 30A)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 30C Symphonic Band 3 (1 Units)
The SRJC Symphonic Band is a large ensemble focused on the study, rehearsal, and public performance of classical and contemporary literature. Students in 30C should be experienced musicians who are able to perform at college level on a wind or percussion instrument. Students will learn greater control of characteristic tone, intonation, and dynamic range with an emphasis on achieving a higher artistic standard. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 30B (or MUSCP 30B)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 30D Symphonic Band 4 (1 Units)
The SRJC Symphonic Band is a large ensemble focused on the study, rehearsal, and public performance of classical and contemporary literature. Students in 30D are the most advanced players of a wind or percussion instrument, and as such they will have more accountability within the Symphonic Band. They may be called upon to play solos and/or to assist in the troubleshooting of problems specific to their instrument. Limits on Enrollment: By audition
Prerequisites/Corequisites: Course Completion of MUSP 30C (or MUSCP 30C)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 32A Jazz Band 1 (1 Units)
The SRJC Jazz Band is dedicated to the study, rehearsal, and performance of classic and contemporary literature for large jazz ensemble. Students in 32A should demonstrate the potential to perform at the college level, and will develop jazz interpretation, ensemble skills, and sight-reading. The Jazz Band performs at least two major public concerts per semester, which may include an off-campus festival performance. Limits on Enrollment: By Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 32B Jazz Band 2 (1 Units)
The SRJC Jazz Band is dedicated to the study, rehearsal, and performance of classic and contemporary literature for large jazz ensemble. Students in 32B should be able to perform at the college level, and will further develop their jazz interpretation, ensemble skills, and sight-reading, particularly in musical styles outside of the swing genre. The Jazz Band performs at least two major public concerts per semester, which may include an off-campus festival performance. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 32A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 32C Jazz Band 3 (1 Units)
The SRJC Jazz Band is dedicated to the study, rehearsal, and performance of classic and contemporary literature for large jazz ensemble. Students in 32C should be experienced college-level musicians, and will study the incorporation of stylistically and harmonically appropriate improvisation within the big band medium. The Jazz Band performs at least two major public concerts per semester, which may include an off-campus festival performance. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 32B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 32D Jazz Band 4 (1 Units)
The SRJC Jazz Band is dedicated to the study, rehearsal, and performance of classic and contemporary literature for large jazz ensemble. Students in 32D should be experienced, advanced-level musicians focused on the achievement of a professional-quality artistic standard. They will have more accountability within the ensemble, and may be called upon to assist in the troubleshooting of problems specific to their instrument and/or to lead sectional rehearsals. The Jazz Band performs at least two major public concerts per semester, which may include an off-campus festival performance.
Prerequisites/Corequisites: Course Completion of MUSP 32C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 33A Orchestra 1 (1 Units)
The SRJC Orchestra is dedicated to the study, rehearsal, and performance of orchestral literature from the Baroque to the contemporary era. Students in 33A should demonstrate the potential to perform at college level on an orchestral instrument. The Orchestra performs at least two concerts each semester. Limits on Enrollment: By Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 33B Orchestra 2 (1 Units)
The SRJC Orchestra is dedicated to the study, rehearsal, and performance of orchestral literature from the Baroque to the contemporary era. Students in 33B should be college-level orchestral musicians. The Orchestra performs at least two concerts each semester. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 33A (or MUSCP 33A)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 33C Orchestra 3 (1 Units)
The SRJC Orchestra is dedicated to the study, rehearsal, and performance of orchestral literature from the Baroque to the contemporary era. Students in 33C should be college-level orchestra musicians with proper characteristic tone, control of dynamic range, and intonation who will work toward achieving a higher artistic standard. The Orchestra performs at least two concerts each semester. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 33B (or MUSCP 33B)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 33D Orchestra 4 (1 Units)
The SRJC Orchestra is dedicated to the study, rehearsal, and performance of orchestral literature from the Baroque to the contemporary era. Students in 33D should be advanced college-level orchestra musicians who will have more accountability within the Orchestra and may be called upon to play solos and/or assist in the troubleshooting of problems specific to their instrument. The Orchestra performs at least two concerts each semester.
Prerequisites/Corequisites: Course Completion of MUSP 33C (or MUSCP 33C)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 40.1 Applied Music (Individual Instruction): Piano (1 Units)
Individual studio instruction in piano to develop performance skills. Students will take a 30-minute individual lesson and participate in a 1-hour group session each week. Students will perform at least once in a public recital each semester and play a juried performance as a final exam. Designed for Music majors who are able to perform at college level. Rec Prep: Completion of or Concurrent Enrollment in Music Theory (MUSC 2A, B, C, or D) AND Musicianship (MUSC 3A, B, C, or D).. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Concurrent enrollment in Symphonic Band (MUSP 30A, B, C, or D); OR Jazz Band (MUSP 32A, B, C, or D); OR Jazz Combos (MUSP 42A, B, C, or D); OR Concert Choir (MUSP 21A, B, C, or D).
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 40.2 Applied Music (Individual Instruction): Voice (1 Units)
Individual studio instruction in voice to develop performance skills. Students will take a 30-minute individual lesson and participate in a 1-hour group session each week. Students will perform at least once in a public recital each semester and play a juried performance as a final exam. Designed for Music majors who are able to perform at college level. Rec Prep: Completion of or Concurrent Enrollment in Music Theory (MUSC 2A, B, C, or D) AND Musicianship (MUSC 3A, B, C, or D). Limits on Enrollment: By Audition
Prerequisites/Corequisites: Concurrent enrollment in Diction and Repertoire (MUSC 18.1, 18.2, 18.3, or 18.4); AND Concert Choir (MUSP 21A, B, C, or D)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 40.3 Applied Music (Individual Instruction): Strings (1 Units)
Individual studio instruction in violin, viola, cello, or contrabass to develop performance skills. Students will take a 30-minute individual lesson and participate in a 1-hour group session each week. Students will perform at least once in a public recital each semester and play a juried performance as a final exam. Designed for Music majors who are able to perform at college level. Rec Prep: Completion of or Concurrent Enrollment in Music Theory (MUSC 2A, B, C, or D) AND Musicianship (MUSC 3A, B, C, or D).. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Concurrent Enrollment in Orchestra (MUSP 33A, B, C, or D); OR Jazz Band (MUSP 32A, B, C, or D); OR Jazz Combos (MUSP 42A, B, C, or D).
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 40.4 Applied Music (Individual Instruction): Woodwind (1 Units)
Individual studio instruction in flute, oboe, clarinet, bassoon, or saxophone to develop performance skills. Students will take a 30-minute individual lesson and participate in a 1-hour group session each week. Students will perform at least once in a public recital each semester and play a juried performance as a final exam. Designed for Music majors who are able to perform at college level. Rec Prep: Completion of or Concurrent Enrollment in Music Theory (MUSC 2A, B, C, or D) AND Musicianship (MUSC 3A, B, C, or D).. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Concurrent Enrollment in Symphonic Band (MUSP 30A, B, C, or D); OR Jazz Band (MUSP 32A, B, C, or D); OR Jazz Combos (MUSP 42A, B, C, or D).
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 40.5 Applied Music (Individual Instruction): Brass (1 Units)
Individual studio instruction in trumpet, French horn, trombone, baritone, euphonium, or tuba to develop performance skills. Students will take a 30-minute individual lesson and participate in a 1-hour group session each week. Students will perform at least once in a public recital each semester and play a juried performance as a final exam. Designed for Music majors who are able to perform at college level. Rec Prep: Completion of or Concurrent Enrollment in Music Theory (MUSC 2A, B, C, or D); AND Musicianship (MUSC 3A, B, C, or D).. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Concurrent Enrollment in Symphonic Band (MUSP 30A, B, C, or D); OR Jazz Band (MUSP 32A, B, C, or D); OR Jazz Combos (MUSP 42A, B, C, or D).
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 40.6 Applied Music (Individual Instruction): Percussion (1 Units)
Individual studio instruction in percussion to develop performance skills. Students will take a 30-minute individual lesson and participate in a 1-hour group session each week. Students will perform at least once in a public recital each semester and play a juried performance as a final exam. Designed for Music majors who are able to perform at college level. Rec Prep: Completion of or Concurrent Enrollment in Music Theory (MUSC 2A, B, C, or D); AND Musicianship (MUSC 3A, B, C, or D).. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Concurrent Enrollment in Symphonic Band (MUSP 30A, B, C, or D); OR Jazz Band (MUSP 32A, B, C, or D); OR Jazz Combos (MUSP 42A, B, C, or D).
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 40.7 Applied Music (Individual Instruction): Guitar (1 Units)
Individual studio instruction in guitar to develop performance skills. Students will take a 30-minute individual lesson and participate in a 1-hour group session each week. Students will perform at least once in a public recital each semester and play a juried performance as a final exam. Designed for Music majors who are able to perform at college level. Rec Prep: Completion of or Concurrent Enrollment in Music Theory (MUSC 2A, B, C, or D); AND Musicianship (MUSC 3A, B, C, or D).. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Concurrent Enrollment in Concert Choir (MUSP 21A, B, C, or D): OR Symphonic Band (MUSP 30A, B, C, or D); OR Jazz Band (MUSP 32A, B, C, or D); OR Jazz Combos (MUSP 42A, B, C, or D).
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 42A Jazz Combo Ensemble 1 (1 Units)
The SRJC Jazz Combos are dedicated to the study, rehearsal, and performance of classic and contemporary works for small jazz ensemble. Students are divided into three combos of 4-8 musicians, each focusing on 4-5 jazz compositions. Students in 42A focus on the development of improvisational and performance skills. The Jazz Combos give 3-5 public performances per semester. Rec Prep: Course Completion of MUSC 5A. Limits on Enrollment: By Audition
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 42B Jazz Combo Ensemble 2 (1 Units)
The SRJC Jazz Combos are dedicated to the study, rehearsal, and performance of classic and contemporary works for small jazz ensemble. Students are divided into three combos of 4-8 musicians, each focusing on 4-5 jazz compositions. Students in 42B focus on the development of a rhythmic and melodic vocabulary consistent with mainstream jazz practice. The Jazz Combos give 3-5 public performances per semester. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 42A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 42C Jazz Combo Ensemble 3 (1 Units)
The SRJC Jazz Combos are dedicated to the study, rehearsal, and performance of classic and contemporary works for small jazz ensemble. Students are divided into three combos of 4-8 musicians, each focusing on 4-5 jazz compositions. Students in 42C focus on developing their improvisatory fluency in the styles of Bop, Cool, and Hard Bop. The Jazz Combos give 3-5 public performances per semester. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 42B
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

MUSP 42D Jazz Combo Ensemble 4 (1 Units)
The study and performance of classic and contemporary works for jazz combo. Emphasis is on the understanding of chord/scale relationships and the introduction of odd and compound meters. Students are divided into three combos of four to eight musicians each. The combos give 3-5 public performances per semester. Limits on Enrollment: By Audition
Prerequisites/Corequisites: Course Completion of MUSP 42C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

Natural Resources (NRM)

NRM 12 Introduction to Environmental Conservation (3 Units)
An introduction to principles and techniques for the management, conservation, and sustainable use of natural resources. Includes an examination of the causes, consequences, and solutions of contemporary issues affecting environmental conservation. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,AA/AS Area 8

NRM 51 Wildland Trees and Shrubs (3 Units)
Students will study the taxonomy, physiology, and ecological relationships of trees and shrubs of Central and Northern California. Botanical and anatomical characteristics of these plants will be emphasized. Course may include field trips.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

NRM 60 Introduction to Outdoor Recreation (3 Units)
A study of historic, social, political, economic, and environmental factors influencing outdoor recreation at federal, state, and local levels. This course includes park practices relating to the operations of public and private recreation facilities. Includes skills and procedures for evaluating and re-designing recreational facilities. Course activities require the ability to walk five miles with a 25-pound pack. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter

NRM 63 Environmental Education (3 Units)
Introductory course designed to prepare students to implement environmental education curricula in formal and informal educational settings. Topics include history and principles of environmental education, guidelines for K-12 environmental education, curriculum development, and applied teaching techniques for both formal and informal settings. This course includes site visits to K-12 classrooms implementing environmental education curricula. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter

NRM 70 Forest Management and Assessment (4 Units)
In this course, students will study applied forestry as related to forest stand improvement, harvest methods, fire control, disease, damage, insects, manufacturing and management of forested lands. The quantity and quality of timber and other forest resources including water, range, wildlife, outdoor recreation, carbon storage, and fuel loading will be discussed. Field trips are mandatory.
Transferability: Transferable to CSU
Grading Type: Letter

NRM 72 Forest Fire Control and Its Use (3 Units)
Principles of fire behavior, control and prevention for natural resource managers and first responders. Also covers the prescribed use of fire in natural resource management applications (fuel reduction, invasive species control, etc.). Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

NRM 80 Environmental Policy for Resource Managers (3 Units)
A study of major state and federal environmental policies and how they affect natural resource managers. Students will examine the making and implementation of laws and regulations that help frame natural resource management decisions on the local level. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

NRM 84 Introduction to Fish and Wildlife Conservation (3 Units)
Introduction to the study of fish and wildlife conservation management principles, techniques, and issues, including habitat management and population estimation. Students will become familiar with local and regional wildlife species, as well as develop expertise in wildlife identification and common field techniques used by wildlife managers. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

NRM 86 Watershed Resource Management (2 Units)
Introduction to the methods and techniques used in measuring, monitoring, and assessing watershed health in North Coast streams. Topics of study include identification of the specific factors limiting ecoysystem productivity (vegetation, fish, etc.) identification of the critical habitat needs (plants, macroinvertebrates, water quality, etc.) and methods for assessing and monitoring watershed resources. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

NRM 87 Geographic Info. Systems Applications in Natural Resources (3 Units)
Students will explore the use of Geographic Information Systems (GIS) to analyze and interpret natural resources data, and to solve common conservation problems. This course introduces the value and uses of GIS software, with an emphasis finding and evaluating the quality and fitness of published data sources, applying GIS overlay and proximity analysis tools to subject data, and preparing maps for publication and presentation of findings. Conservation topics include the analysis of habitat for endangered species, visualization and assessment of watershed health, and analysis of the potential impact of human activities on natural resources under a land manager's stewardship. Rec Prep: Course Eligibility for GIS 40.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

NRM 88 Watershed Ecology and Restoration (3 Units)
An introduction to watershed restoration ecology methods, techniques, and tools used to restore and enhance watershed health. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

NRM 91 Rangeland Management in a Changing Climate (3 Units)
In this course, students will learn basic principles of range management as they apply to various regions and vegetative types on California rangelands. This course examines the relationship of range management practices to livestock production, wildlife management, forestry, hydrology, and other land uses. Multiple field trips are required.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

NRM 98 Independent Study in Natural Resource Management (1-3 Units)
Special projects by arrangement to provide for independent study and enriched academic experience in natural resource management. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

NRM 99I Natural Resources Management Internship (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

NRM 104 Ecological Restoration (3 Units)
In this course students will learn hands-on techniques for planning, planting, monitoring, and maintaining local restoration projects. Students will explore native plant communities as models for restoration. Students will apply various restoration techniques by conducting field work at Shone Farm and other Sonoma County locations. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

NRM 111 Orientation to Environmental Resource Management (3 Units)
In this course, students will explore principles and practices of environmental resource management in wildland areas. Each lecture is supported by a field experience. Field trips are mandatory.
Grading Type: Letter, Pass/No-Pass

NRM 132 Chainsaw Safe Operation and Care (0.5 Units)
In this class, students will learn the proper operation, maintenance, and care of chainsaws.
Grading Type: Pass/No-Pass

NRM 133 Current Topics in Natural Resources (1-3 Units)
In this course, students will explore new and/or developing theories, techniques, and practices related to the management of natural resources. Course hours and units for each section will be determined by the scope and detail of the selected topic.
Grading Type: Letter, Pass/No-Pass

NRM 142 Orienteering for Wilderness Users (1 Units)
Students will learn compass orienteering, Global Positioning Systems (GPS), topographic map reading and smartphone applications for orienteering in backcountry and wilderness situations.
Grading Type: Letter, Pass/No-Pass

NRM 145A Stewardship Practices for Wildfire Resilience: Level 1 (1.5 Units)
In this course, students will learn to apply ecological principles of land stewardship, restoration, and wildfire risk reduction towards creation of healthier, more resilient forests and working lands. This course includes training and practice in the proper use and maintenance of appropriate tools including chainsaws, wood chippers, brush cutters, firing devices, and hand tools. Students in this course must perform sustained and physically demanding work across various terrain and weather conditions. This is the first course in a two-part series in wildfire resilient land stewardship. The course will take place at SRJC's Shone Farm or another district-approved site. Specific site conditions, assignments, and skills emphasized may vary based on skill level and semester seasonality.
Prerequisites/Corequisites: Course Completion or Current Enrollment in NRM 132 and concurrent enrollment in NRM 99I
Grading Type: Letter, Pass/No-Pass

NRM 145B Stewardship Practices for Wildfire Resilience: Level 2 (1.5 Units)
In this course, students will expand upon the application of ecological principles of land stewardship, restoration, and wildfire risk reduction towards creation of healthier, more resilient forests and working lands. This course includes additional training and practice in the proper use and maintenance of appropriate tools including chainsaws, wood chippers, brush cutters, firing devices, and hand tools. Students in this course must perform sustained and physically demanding work across various terrain and weather conditions. This is the second course in a two-part series in wildfire resilient land stewardship, and students will practice and demonstrate skills at an intermediate level. The course will take place at SRJC's Shone Farm or another district-approved site. Specific site conditions, assignments, and skills emphasized may vary based on skill level and semester seasonality.
Prerequisites/Corequisites: Course Completion or Current Enrollment in NRM 132 and concurrent enrollment in NRM 99I and completion of NRM 145A
Grading Type: Letter, Pass/No-Pass

NRM 173 Range Plants of Sonoma County (2 Units)
Students will explore plants on managed lands in Sonoma County that are important to grassland, and shrubland management. This course will include identification, taxonomy, distribution, forage value and ecological relationships of primarily grasses and forbs and a limited overview of ecologically important trees and shrubs. Field trips are a required part of this course. Rec Prep: Eligibility for ENGL C1000 or EMLS 10.
Grading Type: Letter, Pass/No-Pass

Nursing - RN (NR)

NR 75.1B Introduction to Medical Surgical Nursing (5 Units)
This course presents concepts in nursing practice with an emphasis on the beginning level of care for the adult medical-surgical patient. Nursing process, professionalism, basic physiological, psychosocial, and developmental needs and basic medical-surgical nursing skills are included in this course. Application of theoretical knowledge is guided by the Readiness for Practice Model. A number of teaching/learning strategies are incorporated in a variety of settings: classroom, skills laboratory and patient-care settings providing students an opportunity to apply the nursing process at the beginner level. Limits on Enrollment: Admission to Program.\ The healthcare facilities in which students are clinically placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative background check, a negative urine drug screen, and possess a current American Heart Association Certified Healthcare Provider CPR/BLS card.
Prerequisites/Corequisites: Course Completion of NR 75.2A OR NR 75.1A
Transferability: Transferable to CSU
Grading Type: Letter

NR 75.1C Intermediate Medical Surgical Nursing (4.5 Units)
Concepts applicable to intermediate level acute care of adult medical-surgical patients, with focus on the Staff RN as a team member, advance intravenous therapy practice, health care informatics, and evidence based practice. Limits on Enrollment: Admission to Program.\ The healthcare facilities in which students are clinically placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative background check, a negative urine drug screen, and possess a current American Heart Association Certified Healthcare Provider CPR/BLS card.
Prerequisites/Corequisites: Course Completion of NR 75.1B AND NR 75.2B; OR Course Completion of NR 75B
Transferability: Transferable to CSU
Grading Type: Letter

NR 75.1D Advanced Medical Surgical Nursing (9 Units)
Advanced concepts related to providing safe care and meeting the complex needs of the acutely ill adult medical-surgical patient. Concepts related to professionalism, a preceptorship experience, and advanced nursing skill practice in a variety of clinical settings gives students an opportunity to make the transition from student to professional nurse. Limits on Enrollment: Admission to Program.\ The healthcare facilities in which students are clinically placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative background check, a negative urine drug screen, and possess a current American Heart Association Certified Healthcare Provider CPR/BLS card.
Prerequisites/Corequisites: Course Completion of NR 75.1C AND NR 75.2C; OR Course Completion of NR 75C
Transferability: Transferable to CSU
Grading Type: Letter

NR 75.2A Fundamentals of Professional Nursing (10 Units)
This course presents concepts fundamental to professional nursing with an emphasis on the geriatric patient: nursing process, professionalism, basic physiological, psychosocial, and developmental needs and basic nursing skills are included in this course. Application of theoretical knowledge is guided by the Readiness for Practice Model. A number of teaching/learning strategies are incorporated in a variety of settings: classroom, skills laboratory and patient-care settings providing students an opportunity to use the nursing process. Limits on Enrollment: Admission to Program.\ The healthcare facilities in which students are clinically placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative background check, a negative urine drug screen, and possess a current American Heart Association Certified Healthcare Provider CPR/BLS card.
Transferability: Transferable to CSU
Grading Type: Letter

NR 75.2B Psychiatric Nursing (4.5 Units)
Concepts and nursing practice in the care of psychiatric, trauma-affected, and substance use disordered patients. The emphasis is on the care of patients in both the inpatient and outpatient settings for management of chronic illnesses relevant to both adolescents and adults. Knowledge and skills acquired in lecture & discussion and in simulation and skills laboratories are applied in psychiatric inpatient and outpatient care settings. Limits on Enrollment: Admission to Program.\ The healthcare facilities in which students are clinically placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative background check, a negative urine drug screen, and possession of a current American Heart Association Certified Healthcare Provider CPR/BLS card.
Prerequisites/Corequisites: Course Completion of NR 75.2A OR NR 75.1A
Transferability: Transferable to CSU
Grading Type: Letter

NR 75.2C Maternal Child Nursing (5 Units)
Concepts applicable to care of perinatal, postpartum, newborn and pediatric patients are included with a focus on the family as a whole system of care. Limits on Enrollment: Admission to Program.\ The healthcare facilities in which students are clinically placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative background check, a negative urine drug screen, and possess a current American Heart Association Certified Healthcare Provider CPR/BLS card.
Prerequisites/Corequisites: Course Completion of NR 75.1B AND NR 75.2B; OR Course Completion of NR 75B
Transferability: Transferable to CSU
Grading Type: Letter

NR 98 Independent Study in Nursing (1-3 Units)
Independent study in nursing through literature research, clinical investigation, or a combination of the two. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

Nursing- Aide (NRA)

NRA 150A Certified Nurse Assistant (6 Units)
In this course the student will learn the requirements for becoming a Certified Nurse Assistant (CNA), including basic patient care skills, psychosocial/cultural understanding, and communication techniques necessary to help meet the needs of the patient. All aspects of care are designed to allow the student to utilize these skills in a health care facility. Students learn theory and basic patient care skills necessary for certification as a CNA. This course meets all of the CA Department of Public Health requirements for a Nursing Assistant Training and Assessment Program (NATAP). Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter

Paralegal Studies (PLS)

PLS 50 Introduction to Paralegal Studies (3 Units)
This is the required initial course for students in the Paralegal program. Students will receive an introduction to the legal field, the role of the paralegal, an overview of the legal system, ethics, a survey of procedural law, and a survey of selected substantive areas of the law including contracts, torts, property, and business. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

PLS 51 Legal Research (3 Units)
This course will acquaint students with procedural and substantive law; statutes, cases, codes and regulations; and how to find the law through legal encyclopedias, digests, and other resource materials. Citation format, basic case analysis, and Shepardizing are emphasized. Once experience is developed in locating information, students will analyze material, brief cases, and prepare research memoranda. Assignments and activities require extensive online law library time. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion or Current Enrollment in PLS 50
Transferability: Transferable to CSU
Grading Type: Letter

PLS 52 Legal Writing (3 Units)
Students use legal research skills to draft legal correspondence, case briefs, legal memoranda, pleadings, motions, and other documents. The course emphasizes construction of clear, concise, and well-organized legal instruments.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PLS 50, PLS 51 and BGN 71
Transferability: Transferable to CSU
Grading Type: Letter

PLS 53 Civil Procedure: Pleadings (3 Units)
An in-depth examination of all phases of civil procedure, from the initial stages of planning and preparing the civil lawsuit to the trial, is presented in this course. Students draft typical pleadings, including complaints, motions, demurrers, answers and cross-complaints from factual situations presented in class. Common means of terminating a suit without trial, such as summary judgments, defaults, dismissals and settlement are also discussed. Rec Prep: Course Completion of BGN 71
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in PLS 50 and PLS 51
Transferability: Transferable to CSU
Grading Type: Letter

PLS 54 Civil Procedure: Discovery (3 Units)
This course addresses pre-trial discovery and evidence considerations in civil litigation. Students learn procedures and tactics for initiating, managing, and compelling discovery and drafting major discovery documents in current use from sample problems. Evidence questions that commonly occur during trial preparation are examined.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PLS 51 and PLS 50
Transferability: Transferable to CSU
Grading Type: Letter

PLS 55 Legal Ethics (2 Units)
In this course, students will practice the development of ethical judgment in the context of the modern law office team. The course covers the examination of the Rules of Professional Conduct, ethical guidelines for paralegals, and their application to special problems of both civil and criminal practice. Ethical standards for direct providers of legal services are also discussed.
Prerequisites/Corequisites: Course Completion or current enrollment in PLS 50 and PLS 51
Transferability: Transferable to CSU
Grading Type: Letter

PLS 56 Civil Litigation and Discovery Practices and Procedures (3 Units)
This course is intended for students interested in becoming legal secretaries or paralegals, as well as individuals interested in learning the practices and procedures for commencing a civil lawsuit and preparing civil discovery (the most important component of a lawsuit). The students will learn law office secretarial procedures and preparation of legal documents, including, without limitation: a complaint; summons; answer; and proof of service. Different discovery methods will also be explored, including using interrogatories, production of documents, subpoenas, depositions, preparation, processing, and production of discovery documents and responses. Legal calendaring requirements and time frames, trial court delay reduction requirements, local rules of court, service of process, and dismissal of a lawsuit will also be covered. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) and Course Completion of CS 60.11A.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

PLS 57 Legal Professions (1 Units)
A survey course which will introduce students to the field of law and its various occupations. Topics include: overview of legal professions; professional organizations; legal terminology; duties and responsibilities of personnel; review of the legal system and the court structure. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

PLS 60 Legal Calendaring (1 Units)
This course will provide students with a comprehensive overview of calendaring for the law office. State and local rules are emphasized. Risk management, statutes of limitation, guidelines and techniques for effective calendaring are also discussed. Students will resolve calendaring situations triggered by various events common in law firms.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PLS 50
Transferability: Transferable to CSU
Grading Type: Letter

PLS 62 Torts (3 Units)
An in-depth examination of all phases of tort litigation from the initial stages of planning and preparing the civil lawsuit to trial. Elements of tort causes of action are discussed in depth. Negligence, a common element, is explained and applied to case fact patterns. Common torts such as product liability, wrongful death, invasion of privacy and defenses to torts are presented for analysis.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PLS 51
Transferability: Transferable to CSU
Grading Type: Letter

PLS 63 Contracts (3 Units)
This course is designed to acquaint the paralegal with the formal requirements and legal principles involved in contract law and drafting documents. In addition to lectures on the underlying legal theory, students gain experience in drafting and analyzing a broad range of contracts and agreements.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PLS 51
Transferability: Transferable to CSU
Grading Type: Letter

PLS 64 The American Jury System (1 Units)
Students will be provided with an overview of the evolution and current functions of the adversarial system that has evolved in the United States as a means of settling disputes. The grand jury, the criminal petit jury, and the civil petit jury will be explored. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates and Course Completion or Concurrent Enrollment in PLS 50.
Transferability: Transferable to CSU
Grading Type: Letter

PLS 65 Law Office Technology (3 Units)
This course acquaints students with the various types of legal technology used in a modern-day law office, including software and applications for word processing, spreadsheet and database creation, case management, billing and time-keeping, and trial preparation.
Prerequisites/Corequisites: Course completion or current enrollment in PLS 50 and PLS 51
Transferability: Transferable to CSU
Grading Type: Letter

PLS 66 Wills, Trusts and Estate Planning (3 Units)
Students will be acquainted with the formal requirements and legal principles involved in will, trust and estate law, including drafting techniques, and the underlying legal theory. Students gain experience in drafting and analyzing a broad range of succession and distribution documents.
Prerequisites/Corequisites: Course completion or current enrollment of PLS 50 and PLS 51
Transferability: Transferable to CSU
Grading Type: Letter

PLS 67 Family Law (3 Units)
This course presents students with the fundamental common law and statutory concepts of family law with emphasis on the paralegal's role. Topics include formal and informal marriages, separation, divorce, annulment, marital property, the parent-child relationship, child custody and support, adoption, guardianship, domestic relations court procedures, public records research, and the paralegal's role in alternative dispute resolution/mediation processes. Ethical obligations, family law terminology and emerging computer applications in domestic relations practice are also presented.
Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in PLS 50
Transferability: Transferable to CSU
Grading Type: Letter

Pharmacy Technician (PHT)

PHT 102 Pharmaceutical Calculations for the Pharmacy Technician (2 Units)
This course will prepare students for success in therapeutic calculations through pharmaceutical skills development (dosage, volume, concentration) of computations with absorption rate, admixtures, medicinal compounding, and applied measurement systems. Students will learn to identify and distinguish the bioavailability and bioequivalence alliteration and accurately recognize pharmaceutical units as required by the California State Board of Pharmacy. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter

PHT 103 Critical Thinking and Management Skills for the Pharm Tech (2 Units)
Students will learn how to apply theory to pharmacy settings. The student will learn to develop the necessary discernment, reason, and proficiencies regarding pharmaceutical critical thinking and solutions. The student will perform at an advanced level of pharmaceutical care and service by identifying and understanding the application of systems, theorems, principles, postulates, and provisions. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter

PHT 150 Introduction to Pharmacy Technician (3 Units)
Students will be introduced to the role and work environment of the pharmacy technician in a retail, hospital, and other healthcare settings. The student will learn about legal responsibilities, technical activities and common medications used. The pharmacy technician student will also learn how to interpret common prescriptions and conduct simple pharmaceutical mathematic calculations. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter

PHT 152 Ambulatory Pharmacy Practice (2 Units)
The student will learn the skills needed to operate effectively in an ambulatory setting, emphasizing receiving and controlling inventory, computerized prescription processing, medical insurance billing, and customer relations.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PHT 150 (or PHARM 150)
Grading Type: Letter

PHT 154A Retail Externship 1 (1 Units)
The students will participate in a practical externship in an outpatient pharmacy environment. The student will perform advance laboratory activities that a supervising licensed pharmacist or pharmacy technician will evaluate. Limits on Enrollment: The healthcare facilities in which students are placed require that the students must comply with all of the following before they are allowed onsite: Up to date on all immunizations, including annual flu shots, possess current annual tuberculosis clearance, clear a background check and pass a urine drug screen.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PHT 150 (or PHARM 150)
Grading Type: Letter

PHT 154B Retail Externship 2 (2 Units)
The students will participate in a practical externship in an outpatient pharmacy environment. The students will perform advanced laboratory activities that a supervising licensed pharmacist or pharmacy technician will evaluate. Limits on Enrollment: The healthcare facilities in which students are placed require that the students must comply with all of the following before they are allowed onsite: Up to date on all immunizations, including annual flu shots, possess current annual tuberculosis clearance, clear a background check and pass a urine drug screen.
Prerequisites/Corequisites: Course Completion of PHT 154A (or PHARM 154A) and Course Completion of PHT 102 (or PHARM 102)
Grading Type: Letter

PHT 155 Pharmacology (4 Units)
The pharmacy technician student will be introduced to the historical development of the use of drugs, the basic mechanism of drug action, pharmacokinetics, and basic concepts related to the administration of pharmacologic agents. The student will learn the therapeutic effects of identified groups of drugs, side effects, interactions, and potential errors. There will be a focus on selected drug classes.
Grading Type: Letter

PHT 156 Dispensing and Compounding (2.5 Units)
The student will engage in general preparation of various pharmaceutical dosage forms including topical, transdermal, rectal, ophthalmic, nasal, oral, and otic. The student will gain practical experience in the manipulation of compounds and record-keeping functions essential for compounding and dispensing prescriptions. The student will study the different dosage forms, exploring their advantages and disadvantages, uses, storage, and packaging methods.
Prerequisites/Corequisites: Course Completion of PHT 150 (or PHARM 150)
Grading Type: Letter

PHT 157 Hospital Pharmacy Practice for the Pharmacy Technician (0.5 Units)
This course prepares the Pharmacy Technician student to work in an inpatient hospital setting. The student will learn and practice the skills related to IV compounding, aseptic and sterile preparations, and safety compounding practices. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of PHT 102, PHT 152 and PHT 154A
Grading Type: Letter

PHT 157L Hospital Pharmacy Externship (0.5 Units)
The students will participate in a practical externship in a hospital pharmacy environment. The students will perform advanced level laboratory activities that a supervising licensed pharmacist or pharmacy technician will evaluate. Limits on Enrollment: The healthcare facilities in which students are placed require that the students must comply with all of the following before they are allowed onsite: Up to date on all immunizations, including annual flu shots, possess current annual tuberculosis clearance, clear a background check and pass a urine drug screen.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PHT 157 (or PHARM 157)
Grading Type: Letter

Philosophy (PHIL)

PHIL 3 Critical Thinking (3 Units)
This course is a study of practical reasoning, argumentation, and the analysis of language as useful tools for making reasonable decisions about what to do and believe. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B

PHIL 4 Introduction to Symbolic Logic (3 Units)
This class focuses on the development of modern symbolic logic through first-order predicate logic plus identity, with an emphasis on translation and proof techniques. It provides a basis for understanding recent analytic trends. Rec Prep: Concurrent enrollment or completion of ENGL 100 OR EMLS 100 (formerly ESL 100) ; AND Concurrent enrollment or completion of MATH 150A or MATH 150..
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID PHIL 210
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 1B

PHIL 5 Critical Thinking/Writing (3 Units)
In this course, students will learn to use critical thinking principles in the reading, writing, and analysis of extended argumentative essays.
Prerequisites/Corequisites: Completion of ENGL C1000 OR EMLS 10 (formerly ESL 10) or higher (V8) or appropriate placement based on AB 705 mandates
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: Cal-GETC Area 1B

PHIL 6 Introduction to Philosophy (3 Units)
Students are invited into inquiries of truth and value, with a focus on how philosophical methods can be brought to bear on the nature of reality and our place in it. Do we have free will? What is the self? Do moral truths exist? What makes for a good life? Equipped with philosophical techniques and a broad range of theories, students will consider how these and other questions relate to their social and personal lives.
Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID PHIL 100
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

PHIL 7 Contemporary Moral Issues (3 Units)
Students will be introduced to moral theories and apply these theories to contemporary issues such as genetic engineering, capital punishment, artificial intelligence, war, sex work, economic justice, animal rights, and environmental duty. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

PHIL 9 Political Philosophy (3 Units)
Students will examine political concepts such as liberty, equality, rights, justice, and democracy. Typical approaches will use these concepts to address the nature of government and citizenship, then apply these concepts to contemporary issues such as civil rights, the welfare state, and civil disobedience. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

PHIL 10 Philosophy of Peace and Nonviolent Action (3 Units)
An inquiry into peace and nonviolence through study of the philosophers and historical movements of nonviolent practice. Stresses philosophical problems or philosophical themes and issues or methods of philosophical inquiry as they pertain to the concepts and practices of peace and nonviolence. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

PHIL 11 Introduction to Asian Philosophy (3 Units)
Students will examine major ideas in Indian, Chinese, Japanese, and possibly other Asian philosophies. The course compares these views with basic tenets of Western philosophy, exploring perspectives on the nature of existence, human destiny, ethics, and socio-political obligation. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

PHIL 12 Environmental Philosophy (3 Units)
Students will explore philosophical views about what makes the natural environment valuable and how these philosophies apply to selected environmental issues. Rec Prep: Eligibility for ENGL 1A or equivalent
Grading Type: Letter, Pass/No-Pass

PHIL 13 Existentialism (3 Units)
Students will be introduced to existentialism as both an intellectual movement and an ongoing field of research. Topics will include freedom and responsibility, absurdity, faith, nihilism, alienation and belonging, consciousness, value and meaning, anxiety, and authenticity. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) or EMLS 10 (formerly ESL 10) or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

PHIL 20 History of Western Philosophy: Ancient and Medieval (3 Units)
History of Western philosophy from classical Greek through the Middle Ages, concentrating on Socrates, Plato and Aristotle. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID PHIL 130
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

PHIL 21 History of Western Philosophy: Modern (3 Units)
History of Western philosophy from the late Renaissance through the Enlightenment (16th-18th Centuries). Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID PHIL 140
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

PHIL 49 Independent Study in Philosophy (1-3 Units)
Independent study program designed to expand upon previous classroom knowledge or cover material not covered in another Philosophy course. UC determines credit AFTER transfer; not counted for admission. Enrollment is dependent upon approval of the project proposal by supervising faculty, Department Chair, and Supervising Administrator. Rec Prep: Eligibility for ENGL 1A or equivalent. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

PHIL 108 Philosophy of Buddhism (1 Units)
Introduction to the philosophy of Buddhism as taught by the historical Buddha, including major doctrines found in the Buddha's suttas; introduction to Buddhist mindfulness and loving-kindness meditation practices.
Grading Type: Letter, Pass/No-Pass

Physical Science (PHSC)

PHSC 21 Introduction to Earth Science (4 Units)
A survey course providing an introduction to the Earth sciences, including geology, oceanography, meteorology, and astronomy. This course focuses on the interactions between various Earth systems such as plate tectonics, the hydrologic cycle, the rock cycle, weather and climate, and Earth's place in the universe. This course is primarily designed for those intending to pursue an elementary teacher education program. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

Physics (PHYS)

PHYS 1 Introduction to Physics Problem Solving (3 Units)
Students will learn basic physics concepts, with an emphasis on developing problem solving skills. The course helps prepare students for success in Physics 20A or Physics 40.
Prerequisites/Corequisites: Course Completion of MATH 154 OR MATH 155 OR MATH 156 OR higher (MATH) or appropriate placement based on AB 705 mandates
Grading Type: Letter, Pass/No-Pass

PHYS 7 Introduction to STEM Careers (1 Units)
This course covers the methods for development of career pathways in fields such as science, technology, engineering, and mathematics (STEM). Students will learn to use STEM related job-search tools, identify key job skills, develop a plan for acquiring those skills, and use communication skills related to a particular career or area of research in which the student has an interest. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of AGRI 20 OR ANSC 20 OR ASTR 3 OR ASTR 4 OR BIO 10 OR CHEM 42 OR CS 10A OR ENGR 10 OR ENVS 12 OR GEOL 1 OR NRM 12 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH)
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

PHYS 11 Conceptual Physics (4 Units)
In this course, students will be introduced to basic concepts and principles in physics, the role of experimentation and inquiry, and relationships between physics, other disciplines, and society. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Completion of MATH 156 or MATH 154 or MATH 155 or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

PHYS 20A General Physics Part I (4 Units)
Students will use scalar and vector algebra and trigonometry to apply physics laws and principles to solve problems involving translational and rotational motion, oscillations, mechanical waves, fluid mechanics, and thermodynamics. Rec Prep: One year of high school physics; OR Course Completion of PHYS 1.
Prerequisites/Corequisites: Completion of MATH 27 or higher (MATH) OR Course Completion of MATH 25 and MATH 58 or appropriate placement based on AB 705 mandates
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

PHYS 20B General Physics Part II (4 Units)
Students will use scalar and vector algebra and trigonometry to apply physics laws and principles to solve problems involving electricity and magnetism, light, and modern physics. This course is a continuation of PHYS 20A.
Prerequisites/Corequisites: Course Completion of PHYS 20 and PHYS 20L; or Course Completion of PHYS 20A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

PHYS 40 Classical Mechanics for Scientists and Engineers (5 Units)
Students will use calculus, algebra, and trigonometry to apply physics laws and principles to solve problems involving translational and rotational motion, work and energy, conservation of energy and momentum, static equilibrium, and universal gravitation. Rec Prep: One year of high school physics or PHYS 1.
Prerequisites/Corequisites: Completion of MATH C2210 or higher (MATH)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

PHYS 41 Waves, Optics, and Thermodynamics for Scientists & Engineers (4 Units)
In this course, students will use calculus, algebra, and trigonometry to apply physics laws and principles to solve problems involving oscillations, waves, sound, heat, kinetic theory, thermodynamics, geometrical optics, interference, diffraction, and polarization of light. Rec Prep: Course Completion or Concurrent Enrollment in MATH C2220 (or MATH 1B)
Prerequisites/Corequisites: Course Completion of PHYS 40
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

PHYS 42 Electricity and Magnetism for Scientists and Engineers (4 Units)
In this course, students will be introduced to electromagnetic phenomena; they will use calculus, algebra, and trigonometry to apply physics laws and principles into solving problems involving electromagnetism and circuits.
Prerequisites/Corequisites: Completion of PHYS 40 or higher (V5) and Course Completion or Current Enrollment in MATH 1C
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 5,Cal-GETC Area 5A,Cal-GETC Area 5C

PHYS 43 Modern Physics for Scientists and Engineers (3 Units)
In this course, students will be introduced to special relativity, atomic theory, quantum physics, and nuclear processes. Students will use calculus, algebra, and trigonometry to apply the laws and principles of physics to solve problems.
Prerequisites/Corequisites: Course Completion of PHYS 42 AND Course Completion or Concurrent Enrollment in PHYS 41 AND Course Completion or Concurrent Enrollment in MATH 2
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

PHYS 49 Independent Study in Physics (1-3 Units)
Independent research project in physics to provide for an enriched academic experience. UC determines credit after transfer; not counted for admission. (See a counselor for details.) Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

PHYS 67 STEM Research: Principles, Methods and Practices (2 Units)
In this course, students majoring in Science, Technology, Engineering, and Mathematics (STEM) will be introduced to scientific research principles needed to understand the skills required for careers that include elements of research practice. The course explores the scientific method, how research is defined, creation of knowledge, effective experiment design, and components that include principles of data recording, formulating and testing of hypotheses, communication of results, venues of dissemination, and the process of peer review. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of BIO 10 OR CHEM 42 OR ENGR 10 OR MATH 25 OR MATH 58 OR MATH 27 or higher (MATH); or AB705 placement into Math Tier 1 or higher
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Physiology (PHYZ)

PHYZ 1 Human Physiology (5 Units)
Students will study the function of the human body with a focus on mechanisms of homeostasis at the biochemical, cellular, and systemic levels. Laboratory experiments are conducted to illustrate major principles associated with these systems. Intended for pre-nursing and pre-dental hygiene students.
Prerequisites/Corequisites: Course completion of ENGL C1000 OR EMLS 10 (formerly ESL 10); AND Completion of BIO 10 or higher (V7); AND Completion of CHEM 60, CHEM 3A, or CHEM 1A, or higher (V6)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5,Cal-GETC Area 5B,Cal-GETC Area 5C

PHYZ 58 Introduction to Human Physiology (3 Units)
This is an introductory course in human physiology, organized around body systems and the theme of homeostasis. The course is designed for the beginning student preparing for these health-related fields: vocational nursing, radiologic technology; or those with a general interest in the function of the human body. This course will minimize bio-chemical and quantitative details taught in a general physiology course (e.g., PHYSIO 1), focusing on the fundamental concepts of physiology. (Not intended for nursing (RN), dental hygiene, or physical therapy majors.) Rec Prep: Course Completion of CHEM 60 and Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 5

Political Science (POLS)

POLS 2 Introduction to Comparative Government (3 Units)
Students will be introduced to the processes and challenges that all political systems face, with an emphasis on consolidated democracies, transitional regimes, and authoritarian regimes. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

POLS 10 California State & Local Government (3 Units)
In this course, students will be introduced to a survey of California government and politics. The course content is designed to familiarize students with the institutions, operation, and current issues of California state and local governments. Rec Prep: Eligibility for ENGL C1000 or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

POLS 11 Introduction to the Fundamentals of Political Science (3 Units)
In this course, students will learn about basic political concepts, political ideologies, political systems, and subfields within political science. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

POLS 12 Environmental Policy and Politics (3 Units)
In this course, students will be introduced to environmental studies focusing on the political processes and institutions involved in formulating and implementing public policy to address environmental problems. Students will examine the role of public policy in addressing environmental issues at the local, state, national, and global levels. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

POLS 18 Political Theory (3 Units)
In this course, students will be introduced to political theory through a survey of classical, modern, and contemporary political writings. Course topics include an inquiry into the nature of justice and the relationship between the individual and the state, an examination of political ideologies, and the exploration of the relevance of political theory to contemporary issues. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

POLS 25 Introduction to International Relations (3 Units)
Students will be introduced to politics, theory, and institutions of international relations, with an emphasis on contemporary global issues. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

POLS 1000 (POLS C1000) American Government and Politics (3 Units)
This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,AA/AS Area 7,Cal-GETC Area 4

Psychology (PSYC)

PSYC 1B Introduction to Psychological Research Methods (3 Units)
In this course, students will survey various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Students will also examine research design and methodology through an anti-discriminatory and anti-racist lens, including: a review of research in a variety of the subdisciplines of psychology; applications in classroom experiments, surveys, and systematic and naturalistic observations; and explore the lived experiences of California Community College students. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of PSYC C1000; AND Course Completion of STAT C1000 OR PSYC 9
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

PSYC 3 Human Sexuality (3 Units)
This course examines the biological, psychological, and social science of human sexuality. Major areas of examination will include the history and science of sexology; male and female anatomy and physiology; sexual arousal and response; relationships, intimacy and communication; conception and contraception; sexually transmitted infections; and coercive sexuality and exploitation. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 4 Child and Adolescent Psychology (3 Units)
Development of the child from prenatal life to the adolescent years with emphasis on emotional, intellectual, social, and personal growth and development. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 5 Abnormal Psychology (3 Units)
This course examines the biological, psychological, and social science of abnormal psychology. Major areas of examination will include theoretical orientations, important psychotherapeutic methods, current issues in abnormal psychology and selected disorders such as depression, schizophrenia, and psychosomatic disorders. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 7 Theories of Personality (3 Units)
An examination of basic concepts, principles, and development of major theories of personality and their practical applications to social interactions, psychopathology, and treatment. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 8 Introduction to Lifespan Psychology (3 Units)
This course provides an overview, from a psychological perspective, of human development from conception through death, including biological and environmental influences. Theories and research of physical, cognitive, personality, and social development are examined, as well as attention to developmental problems. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 9 Introduction to Behavioral Sciences Statistics (3 Units)
The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from a broad range of disciplines. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of MATH 154 OR MATH 155 OR MATH 156 OR higher or appropriate placement based on AB 705 mandates; AND Course Completion of PSYC C1000 OR ANTH 1 OR SOC 1
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MATH 110, C-ID SOCI 125
Grading Type: Letter
GE: AA/AS Area 2,CalGETC Area 2

PSYC 10 Introduction to Biological Psychology (3 Units)
In this course, students will be introduced to the scientific study of the biological basis of behavior and its fundamental role in the neurosciences. This course explores the scientific method, experimental and non-experimental research, hypothesis testing, and scientific literacy in biological psychology, including the anatomy and physiology underlying psychological phenomena. The course also notes historical scientific contributions and biases, as well as current research practices in studying brain-behavior relationships and mental processes. Rec Prep: Eligibility for ENGL C1000 or equivalent.
Prerequisites/Corequisites: Course Completion of PSYC C1000
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

PSYC 10L Biological Psychology Lab (1 Units)
In this course, the students will study the nervous system and its connections to behavior. Specific biopsychological topics include organization of the brain, anatomy and physiology of the neuron, sensorimotor systems, and states of consciousness. Students will explore the topics by applying the scientific method and practicing laboratory procedures such as sheep brain dissection and interactive computer simulations.
Prerequisites/Corequisites: Course Completion or Current Enrollment in PSYC 10 (or PSYCH 10)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

PSYC 11 Introduction to Cognitive Psychology (3 Units)
In this course, students will be introduced to the basic concepts of cognitive psychology. Students will learn about topics including perception, attention, memory, language, and thought. This will be approached from different perspectives including cognitive science, neuroscience, anti-racism, and students' lived experiences. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 14 Introduction to Positive Psychology (3 Units)
Students will focus on critically analyzing empirical investigations on human potential, strengths, and well-being. Emphasis on analyzing research methods, empirical evidence, and theories across multiple dimensions including own life experiences, cross-cultural comparisons, and cultural-historical-political context. Topics include positive emotions, strengths, motivation, accomplishment, flow, health, flourishing, creativity, resilience, religiosity/spirituality, culture, and institutions. Students will practice application of findings to their lives, including identifying and developing their strengths, finding meaning in life and career, practicing gratitude and mindfulness, and cultivating positive relationships. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 15 Introduction to Psychology of Consciousness (3 Units)
This course examines how subjective experiences arise from objective brain processes, the basic neuroscience and neuropathology of consciousness, altered states of consciousness, mystical experiences and dreams, and the effects of drugs and meditation. It also explores the nature of self, the possibility of artificial consciousness in machines, and the question of whether animals are conscious. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 30 Social Psychology (3 Units)
This course examines the mental processes, situational factors, individual differences, and group phenomena that influence the way people interact with other people, with emphasis on interpersonal attraction, attitudes and attitudinal change, prejudice and discrimination, and aggression. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 34 The Psychology of Prejudice and Discrimination (3 Units)
This course covers the psychology of prejudice and discrimination based on race, biological sex and gender, sexual orientation, class, age, and ability including aspects of the mind, culture, and society that lead to the development of prejudiced behaviors and attitudes. Students will learn about topics including bias, stereotypes, racism, privilege, intersectionality and systems, inter-group conflict, consequences of prejudice and discrimination, and strategies to develop the qualities needed for transforming oppressive systems and ourselves. Topics will be covered through methods including lectures, activities, storytelling, media, and discussions. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 35 Psychology of Personal and Social Adjustment (3 Units)
In this course, students will examine the psychological principles, concepts, and processes that underlie the formation and development of human identity in its socio-cultural and ecological contexts. Their major emphases of study will be on human relations, personal adjustment, and identity development. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

PSYC 40 Introduction to Psychology of Gender (3 Units)
Students will explore psychological research and theories on gender. This course includes an intersectional critique of biological, psychological, and sociocultural ideas of gender and an exploration of gender continuums from cisgender to transgender. Topics will be explored from multiple perspectives including stereotypes, relationships, violence, sexuality, work, academics, and experiences of and responses to gender oppression. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,AA/AS Area 8,Cal-GETC Area 4

PSYC 46 Aging, Dying and Death (3 Units)
Examination of aging, dying, death, and bereavement process in contemporary society. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,AA/AS Area 8

PSYC 1000 (PSYC C1000) Introduction to Psychology (3 Units)
This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Additionally at SRJC, topics will be covered using variety of methods including lecture, activities, storytelling, media, and discussion. The field of psychology will be approached from different perspectives including students' own life experiences, ideas from outside the field, and the impact of systemic oppression.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID PSY 110
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

Radiologic Technology (RADT)

RADT 60 Introduction to Radiologic Technology (2 Units)
In this course, students will be introduced to the field of radiologic technology, equipment, digital technologies, radiologic and health care practices, and regulatory requirements. Limits on Enrollment: Acceptance in program
Prerequisites/Corequisites: Concurrent Enrollment in RADT 61A, RADT 71A (or formerly RADT 61.1AL), RADT 64 and RADT 64L
Transferability: Transferable to CSU
Grading Type: Letter

RADT 61A Radiographic Positioning 1 (4 Units)
In this course, students will be introduced to radiographic anatomical positioning and image analysis. Instruction includes lecture and positioning demonstrations for radiographic procedures of the chest, abdomen, extremities, hips, and pelvis. Radiographic image analysis for diagnostic quality. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Concurrent Enrollment in RADT 60, RADT 64, RADT 64L, and RADT 71A
Transferability: Transferable to CSU
Grading Type: Letter

RADT 61B Radiographic Positioning 2 (3 Units)
In this course, students will learn to perform radiographic positioning procedures related to the digestive tract, urinary system, vertebral column, biliary system, ribs, and sternum. Instruction includes lecture, positioning demonstrations, and practice as well as evaluating images for diagnostic quality. Limits on Enrollment: Acceptance in program
Prerequisites/Corequisites: Course Completion of RADT 61A; Concurrent Enrollment in RADT 71B and RADT 63A
Transferability: Transferable to CSU
Grading Type: Letter

RADT 61C Radiographic Positioning 3 (1 Units)
In this course, students will study radiographic anatomical positioning and image analysis. Instruction includes lecture, positioning demonstrations, and practice. Students learn to perform radiographic positioning procedures of the skull, facial bones, sinuses, mandible, and temporomandibular joints. Evaluation of radiographic images for diagnostic quality. Limits on Enrollment: Acceptance into program
Prerequisites/Corequisites: Course Completion of RADT 61B and Concurrent Enrollment in RADT 71C
Transferability: Transferable to CSU
Grading Type: Letter

RADT 63A Radiation Physics and Medical Imaging Systems (3 Units)
In this course, students will learn digital aspects of radiography, principles of radiographic exposure and formulation of radiographic technique, including principles of general and applied physics, electromagnetics, digital imaging, electrostatics, x-ray tube quality control, radiologic equipment and accessories, and imaging equipment and accessories. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course Completion of RADT 61A.
Transferability: Transferable to CSU
Grading Type: Letter

RADT 63B Radiobiology, Radiation Protection, and Quality Control (3 Units)
In this course, students will learn principles of radiobiology, the short and long-term health effects of radiation, and health physics. Students will also be introduced to fluoroscopy, quality control, and radiation protection procedures and design. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course Completion of RADT 63A
Transferability: Transferable to CSU
Grading Type: Letter

RADT 64 Patient Care in Radiology (3 Units)
In this course, students will learn the principles of patient care, including consideration for the physical and psychological needs of the patient and family. Students will study routine and emergency patient care procedures, infection control, and the role of the radiologic technologist in patient education. Limits on Enrollment: Acceptance in program
Prerequisites/Corequisites: Concurrent Enrollment in RADT 60, RADT 61A, RADT 71A (or formerly RADT 61.1AL), and RADT 64L
Transferability: Transferable to CSU
Grading Type: Letter

RADT 64L Patient Care in Radiology Laboratory (2 Units)
In this course, students will work in a laboratory demonstrating skills in a simulated clinical environment and practice of patient care skills required of the radiologic technologist. Limits on Enrollment: Acceptance in program
Prerequisites/Corequisites: Concurrent Enrollment in RADT 60, RADT 64, RADT 61A and RADT 71A (or formerly RADT 61.1AL)
Transferability: Transferable to CSU
Grading Type: Letter

RADT 65 Pathology in Radiology (3.5 Units)
In this course, students will study cross-sectional anatomy of all body systems, recognition of anatomical landmarks, and all aspects of radiographic pathology, including normal variations and abnormal changes due to diseases and trauma. The course will introduce etiology of disease and pathophysiologic disorders that compromise health and wellness. Variations in characteristic radiologic appearances as well as correlations of radiographic manifestations using multiple imaging modalities for clinical diagnosis and treatment will be discussed. Students will research pathology as it relates to imaging and present an oral and written literature review. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Concurrent enrollement in RADT 71E
Transferability: Transferable to CSU
Grading Type: Letter

RADT 66 Special Modalities (4 Units)
In this course, students will learn principles of specialized imaging modalities, including principles of venipuncture, computerized tomography, fluoroscopy, and related equipment. Students will practice and demonstrate competence in venipuncture. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course Completion of RADT 61C and Concurrent Enrollment in RADT 71D
Transferability: Transferable to CSU
Grading Type: Letter

RADT 68 Preparation for Professional Practice (3 Units)
In this course, students will receive an overview of the radiologic technology curriculum, certification regulations, and career development requirements, and they will develop a professional portfolio. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course Completion of RADT 65 and Concurrent Enrollment in RADT 71F
Transferability: Transferable to CSU
Grading Type: Letter

RADT 69 Medical Law and Professional Ethics in Radiologic Technology (3 Units)
Students will learn a fundamental background in medical ethics and medico-legal professional standards. The historical and philosophical basis of medical ethics, as well as the elements of ethical behavior in clinical practice, will be discussed. Legal terminology and legal implications of professional liability in healthcare will also be presented. Topics include misconduct, malpractice, scope of practice, and professionalism. Students will examine a variety of medico-legal issues as well as ethical values and dilemmas found in clinical practice including equitable access to healthcare for diverse populations. Limits on Enrollment: Acceptance in one of the nine Health Sciences programs
Prerequisites/Corequisites: Course Completion of RADT 60 OR NR 75.2A
Transferability: Transferable to CSU
Grading Type: Letter

RADT 71A Clinical Experience 1 (6 Units)
This is the first of six clinical courses for students in the Radiologic Technology Program. Fundamental principles and skills are applied in the care of patients in assigned radiology departments under the direct supervision of a registered radiologic technologist for the completion of required clinical hours. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Concurrent Enrollment in RADT 60, RADT 61A, RADT 64 and RADT 64L
Transferability: Transferable to CSU
Grading Type: Letter

RADT 71B Clinical Experience 2 (6 Units)
This is the second of six clinical course for the students in the Radiologic Technology Program. Fundamental principles and skills are applied in the care of patients in assigned radiology departments under the direct supervision of a registered radiologic technologist for the completion of required clinical hours. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course Completion of RADT 71A
Transferability: Transferable to CSU
Grading Type: Letter

RADT 71C Clinical Experience 3 (2.5 Units)
This is the third of six clinical course for students in the Radiologic Technology Program. Fundamental principles and skills are applied in the care of patients in assigned radiology departments under the direct supervision of a registered radiologic technologist for the completion of required clinical hours. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course Completion of RADT 71B
Transferability: Transferable to CSU
Grading Type: Letter

RADT 71D Clinical Experience 4 (8.5 Units)
This is the fourth of six clinical course for students in the Radiologic Technology Program. Intermediate/advanced principles and skills are applied in the care of patients in assigned radiology departments under the direct supervision of a registered radiologic technologist for the completion of required clinical hours. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course Completion of RADT 71C
Transferability: Transferable to CSU
Grading Type: Letter

RADT 71E Clinical Experience 5 (8.5 Units)
This is the fifth of six clinical course for students in the Radiologic Technology Program. Advanced principles and skills are applied in the care of patients in assigned radiology departments under the direct and indirect supervision of a registered radiologic technologist for the completion of required clinical hours. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course completion of RADT 71D.
Transferability: Transferable to CSU
Grading Type: Letter

RADT 71F Clinical Experience 6 (4 Units)
This is the last of six clinical course for students in the Radiologic Technology Program. Advanced principles and skills are applied in the care of patients in assigned radiology departments under the direct supervision of a registered radiologic technologist. Limits on Enrollment: Acceptance to Program
Prerequisites/Corequisites: Course Completion of RADT 71E
Transferability: Transferable to CSU
Grading Type: Letter

RADT 98 Independent Study in Radiologic Technology (1-3 Units)
The student will research and present an in-depth analysis of a selected topic of current interest in medical imaging. Limits on Enrollment: Approval of the project proposal by supervising faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

RADT 99 Community Engagement Related to Medical Imaging (1 Units)
A self-directed student volunteer program designed to facilitate experiential learning and service in the medical imaging community. Students job shadow 52.50 hours for 1 unit of credit at a variety of health care placements including hospitals and outpatient clinics. Volunteer activities may include: observing/ assisting in a health care institution in the field of radiology in an approved volunteer position. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates. Limits on Enrollment: Student must complete an informational meeting with instructor, understand requirements for placement, confirm knowledge of work-based learning objectives, and secure volunteer placement prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter

RADT 100 Survey of Medical Imaging (2 Units)
This course presents students with an overview of careers and programs in medical imaging. Discussion of radiation protection, American Registry of Radiologic Technologists (ARRT) code of ethics, licensing eligibility, and impacts of medical imaging on general patient care and trauma care. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Grading Type: Letter

RADT 102 Mammography for Radiologic Technology (1.25 Units)
This course is intended for 2nd year radiologic technology students desiring California certification in mammography. The didactic course includes anatomy, physiology, pathology, Mammography Quality Standards Act (MQSA), quality assurance, quality control, 2D and 3D digital mammography, and positioning of the human breast. Limits on Enrollment: Current Enrollment in the SRJC Radiologic Technology Program; OR must be in the 2nd year of a JRCERT certified radiologic technology program, and must have a minimum GPA of 2.0, and must have a letter of recommendation from a program director overseeing the radiologic technology program.
Prerequisites/Corequisites: Course Completion of RADT 61B; AND Concurrent Enrollment in RADT 102L.
Grading Type: Letter

RADT 102L Mammography for Radiologic Technology Lab (0.75 Units)
This course is intended for 2nd year radiologic technology students desiring California certification in mammography. Students will be assigned a clinical site by the program director of the Radiologic Technology program in which they are enrolled. The clinical site must be affiliated with the Radiologic Technology program and registered with the CA Department of Public Health - Radiologic Health Branch. This course meets the State of California statute section 17 CCR § 30455.1 requirement for the Mammographic Radiologic Technology Certificate. Limits on Enrollment: Current enrollment in the SRJC Radiologic Technology Program or must be in the 2nd year of a JRCERT certified radiologic technology program, must have a minimum GPA of 2.0, must have a letter of recommendation from a program director overseeing the radiologic technology program.
Prerequisites/Corequisites: Course Completion of RADT 61B and Concurrent Enrollment in RADT 102
Grading Type: Letter

Real Estate (RE)

RE 50 Real Estate Principles (3 Units)
In this course, students will examine the basic fundamentals of California real estate law, industry terminology, and general principles necessary for the California Real Estate Salesperson exam. This course is required prior to applying for a state salesperson license and applies towards the California Real Estate Broker's examination.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

RE 51 Real Estate Practice (3 Units)
In this course, students will learn the day-to-day operations in real estate roles and brokerage including listing, prospecting, advertising, financing, sales techniques, escrow, and professional ethics. This course applies towards California educational requirements for the salesperson's license and broker's license. Rec Prep: Course Completion of RE 50.
Transferability: Transferable to CSU
Grading Type: Letter

RE 52 Real Estate Finance (3 Units)
In this course, students will analyze real estate financing, including lending policies and problems in financing transactions in residential, apartments, commercial, and special purpose properties. Methods of financing properties will be emphasized. This course is required to apply for the California State Broker's license examination and applies as an elective towards the California Real Estate Salesperson examination.
Transferability: Transferable to CSU
Grading Type: Letter

RE 53 Residential Real Estate Appraisal (3 Units)
Students are introduced to the principles and techniques required to determine the market value of residential properties and prepare a report. This course is required to apply for the California State Broker's license examination and applies as an elective towards the California Real Estate Salesperson examination. Rec Prep: Course Completion of RE 51 and RE 52.
Transferability: Transferable to CSU
Grading Type: Letter

RE 54 Commercial Real Estate Appraisal (3 Units)
Students will study the methods and techniques of estimating the value of properties other than single residences. Application of income approach to commercial, industrial, and multiple residential properties. This course is required to apply for the California State Broker's license examination and applies as an elective towards the California Real Estate Salesperson examination. Rec Prep: Course completion of RE 53 and RE 56.
Transferability: Transferable to CSU
Grading Type: Letter

RE 55 Legal Aspects of Real Estate (3 Units)
Students will learn California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer. Students will examine conveyancing, probate proceedings, trust deeds, foreclosure, and recent legislation governing real estate transactions. This course applies toward educational requirements for the California Real Estate Broker's examination. Rec Prep: Course Completion of RE 50.
Transferability: Transferable to CSU
Grading Type: Letter

RE 56 Real Estate Economics (3 Units)
Students will learn the trends and factors which affect the value of real estate; the nature and classification of land economics; the development of property, construction, and subdivision; economic values and real estate evaluation; real estate cycles, business fluctuations, residential market trends, and special purpose property trends. This course applies as an elective towards the educational requirements for the California Real Estate Broker's examination and the California Real Estate Salesperson examination.
Transferability: Transferable to CSU
Grading Type: Letter

RE 57 Property Management in California (3 Units)
Students will study the principles and practices of managing income properties. Covers nature and types of property management, leases and contracts, collections, rent schedules, tenant selection and supervision, budgets, purchasing. This course applies as an elective towards the educational requirements for the California Real Estate Broker's examination and the California Real Estate Salesperson examination.
Transferability: Transferable to CSU
Grading Type: Letter

RE 58 Real Estate Escrow (3 Units)
Students will study the fundamental principles and basic procedures involved in ordinary escrow transactions and title insurance coverage. Topics will include reviewing and completing the California Association of Realtors (C.A.R.) Joint Purchase Agreement and Escrow Instructions, reviewing the Preliminary Report and solving title problems, learning lenders' closing requirements and the recording process, and balancing and figuring the settlement of the closing funds. This course applies toward the DRE (California Department of Real Estate) elective educational requirements for the Real Estate Salesperson license and as an elective for the broker's license.
Transferability: Transferable to CSU
Grading Type: Letter

RE 59 Advanced Residential Appraisal (3 Units)
Designed to give a broader understanding of residential appraisal procedures and analysis for one to four units, condominiums, and fractional interest properties. Proper application of Income Capitalization, Income Multipliers, and Adjustment Methods for advanced residential and small income producing properties. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Prerequisites/Corequisites: Course Completion of RE 53
Transferability: Transferable to CSU
Grading Type: Letter

RE 61 Computer Applications in Real Estate (3 Units)
In this course, students examine a broad overview of Internet and software applications used in the day-to-day life of real estate and related professions. Computer technology has changed the way this country does business, particularly in the field of real estate. The course identifies hundreds of useful website addresses to help in computer and real estate-related tasks, as well as instruction on how best to access the information that the real estate agent/broker will need in the business. This course applies toward the educational requirements for either a salesperson or broker's license. It also meets the California Department of Real Estate (DRE) education requirements for the Salesperson or Brokers license. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

RE 62 Advanced Real Estate Finance (3 Units)
In this course, students will focus on analyzing potential investment properties for buyers, sellers and lenders. Each stage of property analysis will be covered for properties ranging from single family rentals to large commercial. Real estate finance strategies will be applied to real-world situations with a focus on the practical application of these strategies that matter the most to investors. This course applies toward the educational requirements for either a salesperson or broker's license. It also meets the California Department of Real Estate (DRE) education requirements for the Salesperson or Brokers license. Rec Prep: Eligibility for ENGL 1A or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter

Religious Studies (RELS)

RELS 1 Introduction to Religious Studies (3 Units)
This course introduces the study of religion as a critical, academic discipline. It will explore the meaning, origins and function of religion, and illustrate these by drawing on myths, rituals, symbols, and beliefs from cultures all over the globe and through human history. The course will survey the evolution and content of various theories and methods in the study of religion, as well as career opportunities in the field. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 2 World Religions (3 Units)
Students will be introduced to doctrines, beliefs, historical development, and practices of the major religions of the world. Rec Prep: Eligibility for ENGL C1000 or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 3 History of God (3 Units)
Students will be introduced to the origins and evolution of monotheism from ancient Egypt and Canaan, through ancient Israel and its variations in Judaism, Christianity, and Islam. Rec Prep: Course Completion of RELS 1 and Course Completion of ENGL C1000 or equivalent.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 6.66 History of Satan (3 Units)
Students will learn about the evolution of the character of Satan, or \"The Devil,\" from its origins in Biblical literature to its analogs in the ancient Near East. It will examine the development of Satan's role across Jewish, Christian, and Islamic traditions, highlighting the influence of neighboring religions. Additionally, the course will consider the portrayal of Satan in significant literary works and the impact of social movements during the Medieval, Renaissance, and modern periods. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 7 Wisdom Religions of Asia (3 Units)
This course is an introductory survey of the religious traditions, beliefs, and practices of ancient and modern India, ancient and medieval China, and medieval and modern Japan. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 8 Buddhism (3 Units)
This course is a historical introduction to the origins of Buddhism, the principal doctrines and teachings of the Buddha, and major themes in the development of Theravada, Mahayana, and Vajrayana lineages through South and Southeast Asia, China, Tibet, Korea, and Japan. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 15 Islam (3 Units)
Students will explore the origins, spread, and history of Islam, as well as its diversity and presence in the modern world. This course will give students a thorough introduction to the life of Muhammad, the Qur'an, the Hadith, Sunni/Shiite differences, Sufism, and Islamic law, philosophy, politics, and art. Students will discuss Western perceptions, portrayals, and encounters with Islam, past and present. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) or EMLS 10 (formerly ESL 10) or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 21 The Jewish Bible and the Birth of God (3 Units)
Students will study the emergence of the Bible of Judaism within the context of Egyptian and Mesopotamian religions, the emergence of the Jewish people and religion, and their impact on world cultures. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 22 Jesus and the Invention of Christianity (3 Units)
Students will engage in the historical-critical study of the origins and development of early Christian traditions through a range of documents and archaeological artifacts from the first five centuries against the background of Jewish and Greco-Roman cultural contexts-- with attention to their influence on world cultures. Rec Prep: Eligibility for ENGL C1000 or equivalent, or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

RELS 32 Religion in America (3 Units)
Students will explore and analyze the history of and interaction among diverse ethnic and cultural groups in the shaping of American religious discourse and institutions and the encounter between secular and religious forces. This course will survey the many multicultural personalities, ideas, and movements of the past 400 years. Rec Prep: Eligibility for ENGL C1000 or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

Renewable Energy (REEN)

REEN 101 Renewable Energy Industry Careers (2 Units)
Introduction to the renewable energy industry including solar, wind, geothermal energy and their distribution. Discussion to include careers within the industry, the employment working conditions, social aspects, educational and experience requirements, and potential income opportunities. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

REEN 102 Electrical Trade Tools, Parts, Components & OSHA 10 (2 Units)
Information and skills training for basic hand tools, battery tool kits, and common electrical parts and components used in electrical-related trades. Course will include developing quality customer service skills. Students will receive the Occupational, Safety and Health Administration training instruction, OSHA 10. Students who pass the exam at the end of the course are eligible to receive the OSHA 10-Hour Construction Industry Outreach Department of Labor (DOL) course completion card. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter

REEN 103 Basics of Grid Tie Residential Systems (3 Units)
An introductory level integrated lab-lecture course to provide knowledge and skills needed to understand the relationships between designing, installing, and selling a typical residential grid tie solar photovoltaic (PV) system. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) and completion of MATH 150 or equivalent.
Grading Type: Letter

REEN 104 Grid Tie Residential Solar PV Installation (3 Units)
An intermediate level, integrated lecture-lab class to focus on the installation of residential grid tie solar systems, including technology types, fire codes, permitting, utility interconnection, and ongoing maintenance. This course is intended for students to become solar photovoltaic system installers.
Prerequisites/Corequisites: Course Completion of REEN 102 and REEN 103
Grading Type: Letter

REEN 105 Grid Tie Residential Solar PV System Design & Sales (3 Units)
An intermediate level, integrated lab-lecture course to provide skills and information on selling and designing residential solar photovoltaic systems. This course is intended for students who plan to enter into the sales, marketing, and design of solar photovoltaic systems.
Prerequisites/Corequisites: Course Completion of REEN 102 and REEN 103
Grading Type: Letter

REEN 106 Photovoltaic Battery Storage System Specialty (2 Units)
This course will examine electrical energy storage systems for photovoltaic solar panel systems. Field trips may be included. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter, Pass/No-Pass

Social Science (SOCS)

SOCS 49 Independent Study in Social Science (1-3 Units)
Students enrolled in SOCS 49 will participate in seminars or individual conferences by arrangement to provide for independent study and enriched academic experience. UC determines credit AFTER transfer; not counted for admission. Enrollment is dependent upon approval of the project proposal by supervising faculty, Department Chair, and Supervising Administrator. Limits on Enrollment: Approval of the project proposal by supervising faculty, Department Chair and Supervising Administrator. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

Social Work/Human Services (SWHS)

SWHS 80 Introduction to Addiction Studies (3 Units)
This course reviews the field of addiction studies which will include the history of alcohol and other substance abuse and its impact on American society and the family. It will cover an overview of theories of substance abuse and identification of signs and symptoms, as well as treatment resources and myths about abuse. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SWHS 81 Prevention and Education on Addiction (3 Units)
This course reviews prevention and education techniques and strategies used in the field of addiction studies. Students will analyze the ways in which education can and does assist in the prevention of addiction and relapse. Students will explore the application of harm reduction strategies to other public health issues. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SWHS 82 Pharmacological & Physiological Effects of Addiction (3 Units)
This course reviews the medical and pharmacological aspects of alcohol and psychoactive substances. Students will also review theories and research pertaining to chemical dependency, pharmacological actions of drugs, drug classifications, medical and physical effects of alcohol and other drugs. The potential for abuse and dependency, and how psychoactive substances affect the mind and body will also be reviewed.
Transferability: Transferable to CSU
Grading Type: Letter

SWHS 83 Family Systems in Addiction Studies (3 Units)
This course offers an overview of theories about addiction and family systems. It focuses on the impact of addiction on family members, family oriented approaches to recovery, and the reintegration of the family into the community. This is a highly experiential course and students will participate in exercises frequently to incorporate new skills and theory. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SWHS 86 Social Work Seminar and Fieldwork (3 Units)
Students will participate in a lecture component and supervised fieldwork in Social Work and Human Services. They will develop skills and ethical principles to facilitate working in the field, and reinforce skills learned in previous courses. Students will have a supervised field experience working in a community organization, agency, or private organization with a weekly class meeting that provides the academic element to the experiential course offering. Students are required to locate a fieldwork experience prior to enrollment.
Prerequisites/Corequisites: Course Completion of PSYC C1000 (PSYC 1A) OR SOC 1; OR Course Completion of SWHS 90, SWHS 80, SWHS 87. For Addiction Studies: SWHS 88 must be completed prior to SWHS 86.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SWHS 87 Ethical Issues in Social Work and Human Services (3 Units)
This is an introductory course focusing on the ethical and legal standards and requirements governing the human service profession. Examines the relationship between personal values and professional behavior. Develops understanding of professional ethics, confidentiality, counselor and client rights and responsibilities, and other ethical issues. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter

SWHS 88 Addiction Studies Practicum (2 Units)
Students will study the treatment of substance use disorders with an emphasis on developing the skills and abilities of the student-as-intern. Emphasis is placed on supporting students enrolled in an addiction studies internship. Throughout this course, students engage in critical analysis of their strengths and weaknesses as interns and as potential professionals in the field. Students must be accepted for an internship at an approved substance abuse treatment facility prior to the start of class. This is the first class in the practicum and internship sequence for addiction studies.
Prerequisites/Corequisites: Concurrent Enrollment in SWHS 99I; AND Course Completion of SWHS 87, SWHS 80 (or HUSV 80) and SWHS 90 (or HUSV 90)
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SWHS 90 Introduction to Social Work and Human Services (3 Units)
Students will receive an overview social welfare and the societal institutions in the U.S. that structure the provision of social services. The course presents a historical perspective on the development of U.S. social work and human services. Special attention is given to current service delivery systems, their policies and procedures, and the tasks of culturally responsive social workers and human service workers within those settings. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter
GE: AA/AS Area 8

SWHS 91 Skills and Techniques in Social Work and Human Services (3 Units)
In this course, students will focus on interview and counseling techniques appropriate for paraprofessionals in mental health, corrections, and substance abuse counseling. Theoretical focuses include client-centered approach, family therapy, cultural diversity, and chemical dependency treatment. Rec Prep: Course Completion of COUN 7 and SWHS 90.
Transferability: Transferable to CSU
Grading Type: Letter

SWHS 92 Introduction to Group Counseling (3 Units)
Students will learn the dynamics of group interaction with emphasis upon the individual's firsthand experience as a group leader and member. The factors involved in problems of communication, effective emotional responses and personal growth will be highlighted. Emphasis will be placed on group process as a means of changing behavior. This course is designed to help students who will function as leaders in a variety of small group situations. Rec Prep: Eligibility for ENGL C1000 or equivalent; and Course Completion of SWHS 90 (or HUSV 90) and SWHS 80 (or HUSV 80).
Transferability: Transferable to CSU
Grading Type: Letter

SWHS 93 Introduction to Case Management (3 Units)
Students will learn about the different phases and components of case management as a model of service delivery will be explored. This course will also include experiential skill development relevant to the practice of case management in the human services field. Rec Prep: Eligibility for ENGL C1000 or equivalent; and Course Completion of SWHS 90 (or HUSV 90).
Transferability: Transferable to CSU
Grading Type: Letter

SWHS 95 Advocating for Social Change (3 Units)
In this course students will engage in advocacy work at the campus, community, or legislative levels. Contemporary social, political and economic issues will be explored with special emphasis on the examination of social justice and equity. Students will learn the different methods and essential skills for effective change through advocacy. Rec Prep: Course Completion of SWHS 90 and COUN 7.
Transferability: Transferable to CSU
Grading Type: Letter

SWHS 96 Co-Occurring Disorders (3 Units)
This course examines co-occurring disorders, in the context of addiction counseling. It explores the relationship between substance use disorders and mental health conditions, including an introduction to the Diagnostic and Statistical Manual of Mental Disorders (DSM). Emphasis on developing practical strategies and interventions for working with individuals with co-occurring disorders. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter

SWHS 99I Social Work and Human Services Internship Work Experience (0.5-8 Units)
Internships are an opportunity for students to receive college credit for working in a position related to their field of study. Students will set learning goals, receive job coaching and resume-writing instruction. Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. 52.5 hours of paid or non-paid work equals 1.00 unit, completed within the academic term. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Prerequisites/Corequisites: Course Completion of SWHS 90, SWHS 80, and SWHS 87; Co-requisite of SWHS 88.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

Sociology (SOC)

SOC 1 Introduction to Sociology (3 Units)
In this course, students will explore sociology as a way of understanding the complex world around us. Students will learn how the discipline explains social, cultural, political, and economic forces. Using a global, sociological perspective, students will critically examine topics including, but not limited to: socialization, culture, social constructionism, social inequality, intersectionality, and systemic oppression. Course content will include lecture, activities, storytelling, media, and discussion, and will reflect the histories and lived experiences of California Community College students.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

SOC 2 Modern Social Problems (3 Units)
Students will engage in the analysis of contemporary social problems. Topics include globalization, environmental issues, poverty, work, health and mental health care, the educational system, criminal justice, the basis of inequalities, and the role of power in defining social problems. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID SOCI 115
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

SOC 3 Self and Society (3 Units)
This course is an introduction to the sociological study of face-to-face interaction, exploring the social factors that influence how we see ourselves and how we manage our presentations of self to others. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

SOC 5 Sociological Research Methods (3 Units)
This course serves as an introduction to research methods in Sociology, including principles of research design and critical analysis. Students will acquire skills for both designing and conducting a Sociological research project. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of SOCI C1000 (or SOC 1)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass

SOC 10 Close Relationships and Family Life (3 Units)
In this course, students will examine historical and contemporary social trends related to systems of kinship including friends, partners, families, and friends-as-family. Students will use an intersectional framework while examining social processes and forces specific to social, economic, cultural, racial, gendered, religious, technological, legal, and political inequalities, among others. Course content will include lecture, activities, storytelling, media, and discussion, and will reflect the histories and lived experiences of California Community College students. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID SOCI 130
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,AA/AS Area 8,Cal-GETC Area 4

SOC 15 Introduction to Sociology of Gender (3 Units)
This course offers a sociological analysis of the social construction of gender and sexuality, historically and cross-culturally. It critically examines masculinities, femininities, the non-binary spectrum, and intersectionality. It analyzes the macro-level of how institutions shape gender as well as the micro-level of how individuals are socialized into gender and how they \"do\" gender. It examines gender inequalities in institutions such as the family, education system, workplace, religion, mass media, health care, and politics. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID SOCI 140
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

SOC 30 Race, Ethnicity, and Inequality (3 Units)
In this course, students will engage with sociological approaches to racial and ethnic inequalities. Students will analyze concepts and patterns of prejudice, privilege, discrimination, immigration, individual and institutional racism, decolonization, and antiracism. Course content will include lecture, activities, storytelling, media, and discussion, and will reflect the histories and lived experiences of California Community College Students. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID SOCI 150
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 4,Cal-GETC Area 4

Spanish (SPAN)

SPAN 1 Elementary Spanish-Part 1 (4 Units)
Introduction to Spanish grammar and development of all language skills in a cultural context with special emphasis on interpersonal communication. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) or equivalent. Not recommended for students who have successfully completed 2 years of high school Spanish or equivalent within the past 3 years..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3

SPAN 2 Elementary Spanish-Part 2 (4 Units)
Part Two of Elementary Spanish, continued introduction to Spanish grammar and development of language skills in a cultural context with special emphasis on communication. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Two years of high school Spanish or SPAN 1
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

SPAN 3 Intermediate Spanish-Part One (4 Units)
Speaking, reading and writing in Spanish with discussions and essays to develop linguistic skill and cultural knowledge, bridging from beginning linguistic and cultural content to intermediate. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of SPAN 2 OR SPAN 40
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

SPAN 4 Intermediate Spanish-Part 2 (4 Units)
Development of Spanish language skills in a cultural context at an intermediate level. Emphasis is on communication, with discussion, essays and readings to assure control of linguistic and cultural principles. Includes a review of intermediate linguistic content and cultural topics. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Completion of SPAN 3 or SPAN 41
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Audit, Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

SPAN 40 Introductory Spanish for Spanish Speakers (4 Units)
In this course, students will learn introductory Spanish tailored for Spanish speakers who have not yet received formal training in the language. By building on students' existing skills, the course will cover reading, writing, and speaking strategies, incorporating standard academic Spanish. Special emphasis will be placed on vocabulary expansion, accurate grammar usage, accentuation, punctuation, and orthography. The course will also explore topics related to Latinx culture, literature, and history to deepen students' appreciation of their linguistic and cultural heritage. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of Spanish 1; or 2 years high school Spanish or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

SPAN 41 Intermediate Spanish for Spanish Speakers (4 Units)
This course is a continuation of Spanish 40 and is especially designed for students who are fluent in Spanish and who want to reinforce formal oral and written expression and comprehension. Students will learn strategies for speaking, listening, reading and writing to develop essays and guided compositions with emphasis on grammar and syntax. This course will include the study of Latino and Chicano culture through short stories, poetry, music, movies, and literature to develop an understanding and appreciation for their linguistic and cultural heritage. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of SPAN 40 OR Course Completion of SPAN 2
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3B

SPAN 49 Independent Study in Spanish (1-3 Units)
Individual conferences or small group seminars by arrangement to provide for independent research and enriched academic experience in Spanish culminating in a final written and/or oral product. Course content varies but must not replicate the content of existing courses, and is established according to the independent study application process. Students should have at least a 2.00 (C) grade average in all courses previously taken in Spanish. NOTE: UC determines credit AFTER transfer; not counted for admission. See a counselor for details. Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A) OR Eligibility EMLS 10 (formerly ESL 10) OR equivalent or appropriate placement based on AB705 mandates. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Prerequisites/Corequisites: Course Completion of SPAN 2
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

SPAN 50A Conversation for Beginners-Part 1 (3 Units)
A beginning conversational Spanish course designed to develop listening and speaking skills needed at school, on the job and in Spanish-speaking communities. Provides introduction to the core grammatical structures and vocabulary required for communication. Not recommended for heritage speakers of Spanish or students with two years of high school Spanish or one year of college Spanish with "A" or "B" grade within the past three years. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SPAN 50B Conversation for Beginners-Part 2 (3 Units)
A continuation of beginning conversational Spanish course designed to improve those listening and speaking proficiencies needed at school, on the job, in the community, and in the Spanish-speaking world. Students participate in a variety of pronunciation, listening and conversational activities. An introduction to and development of the core grammatical structures and vocabulary required for communication. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of SPAN 50A or SPAN 1
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SPAN 50C Intermediate Conversation (3 Units)
An intermediate-level Spanish conversation course designed to further advance fluency through active vocabulary development, verb tense use, listening and oral practice. Rec Prep: Eligibility for ENGL 1A or equivalent
Prerequisites/Corequisites: Course Completion of SPAN 50B OR SPAN 2
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

Special Education (SE)

SE 580 Involved Elder
In this course, students will participate in a variety of stimulating activities to promote and maintain physical, mental, social and emotional well-being. These activities include arts and crafts, mild exercise, brain aerobics, and music. The course is designed to enrich the quality of life for older adults with limited physical and cognitive functioning. The course accommodates varying skill levels. The course is offered in cooperation with non-profit community agencies.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

SE 712 Independent Living/Work Skills for Persons with Disabilities
In this course, students with substantial disabilities will prepare for remunerative employment and independent living in the community. Each student's learning is directed by an individualized plan. The course is conducted at agency sites, selected industrial/business locations, and community sites. The course is offered in cooperation with non-profit community agencies.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Statistics (STAT)

STAT 1000 (STAT C1000) Introduction to Statistics (4 Units)
This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Additionally at SRJC, students who have not passed intermediate algebra or Math 3 in high school are required to take Math 215 concurrently with this course. Students with a high school GPA below 2.7 are recommended to take Math 215 concurrently with this course.
Transferability: Transferable to CSU, Transferable to UC
C-ID: C-ID MATH 110
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 2,CalGETC Area 2

Surveying (SURV)

SURV 53 Route Surveying & Design (4 Units)
In this course students will study and perform route surveying and design, geometric design, and construction staking of transportation routes. Students will use electronic surveying equipment, computers, and data collectors. The course will include an introduction to photogrammetry and Global Positioning Systems (GPS).
Prerequisites/Corequisites: Course Completion of APTE 191, CEST 51, and SURV 60
Transferability: Transferable to CSU
Grading Type: Letter

SURV 56 Introduction to GPS Land Surveying (4 Units)
In this course students will explore the principles and applications of satellite-based land surveys, coordinate systems, Global Positioning Systems (GPS) and Global Navigation Satellite Systems (GNSS). Topics will also include concepts and practice of precise location, navigation, GNSS signal interpretation, data collection, data processing, statistical adjustment, and reporting.
Prerequisites/Corequisites: Course Completion of APTE 191, CEST 51, and SURV 60
Transferability: Transferable to CSU
Grading Type: Letter

SURV 58 Evidence and Procedures for Boundary Determination (4 Units)
In this course students will explore the historical development, current concepts, records research, field methods, and evidence and procedures used in boundary determination. This course is intended for those in the fields of civil engineering, land surveying, real estate, and title insurance. Field trips required.
Prerequisites/Corequisites: Course Completion of APTE 191, CEST 51, and SURV 60
Transferability: Transferable to CSU
Grading Type: Letter

SURV 60 Introduction to Plane Surveying (4 Units)
Introduction to the principles and practice of plane surveying, including measurements for distance, direction, elevation and position, topographic and planimetric mapping, and use and care of surveying equipment. Rec Prep: Course Completion of APTE 90A and APTE 90B; OR Course Completion or Concurrent Enrollment in APTE 191 OR MATH 27.
Transferability: Transferable to CSU
Grading Type: Letter

SURV 62 Introduction to Aerial Remote Sensing & Photogrammetry (3 Units)
In this course, students will be introduced to the fundamentals of Aerial Remote Sensing and Photogrammetry (ARSP) theory and applications related to civil engineering, land surveying, geospatial technology, and related disciplines. The course content will emphasize remote sensing theory and mechanics, aerial mission planning, high accuracy ground control, Global Positioning System/Global Navigational Satellite System (GPS/GNSS) control, datums and coordinate systems, related fixed-wing and rotary technology, related sensor technology, and basic data capture methods.
Prerequisites/Corequisites: Course Completion or Current Enrollment in APTE 191, CEST 51, and SURV 60
Transferability: Transferable to CSU
Grading Type: Letter

SURV 63 Advanced Aerial Remote Sensing and Photogrammetry (3 Units)
In this course, students will be introduced to advanced principals of Aerial Remote Sensing and Photogrammetry (ARSP) theory and applications related to Civil Engineering, Surveying, Geospatial Technology (CESGT), and related disciplines. The course content will emphasize advanced remote sensing theory and mechanics, data recovery from aerial sensors and aerial device storage, data storage, data management, data validation, data analysis, model fitting, and data export to Computer-Aided Drafting and Design (CADD) and Geographic Information Systems (GIS) applications.
Prerequisites/Corequisites: Course Completion of SURV 62 and Course Completion/Current Enrollment in CEST 85, GIS 40 , and SURV 56
Transferability: Transferable to CSU
Grading Type: Letter

Sustainable Agriculture (SUAG)

SUAG 5 Introduction to Sustainable Agriculture (3 Units)
Students will explore sustainability in agroecosystems and the concepts and principles of agroecology. This course includes an examination of case studies to investigate the application of agroecology to the design and management of sustainable agricultural systems, and how they may translate to actual farming practices. Course may include mandatory field trips to local farms and guest speakers. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

SUAG 56 Sustainable Agricultural Enterprise Project (2-4 Units)
In consultation with instructor, student will select a specific sustainable agricultural crop, commodity, or product and develop an enterprise project, using the resources at Shone Farm or other locations (with instructor's approval). Projects involve field experience in production and management techniques, marketing methods, and eventual sale of the chosen sustainable agricultural crop, commodity, or product. Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Prerequisites/Corequisites: Course Completion or Current Enrollment in SUAG 64 OR SUAG 65 OR SUAG 103 OR SUAG 109
Transferability: Transferable to CSU
Grading Type: Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

SUAG 64 Warm Season Crop Production (2 Units)
Class focuses on characteristics and production of major warm season crops in Sonoma County, including vegetables and hemp. Topics include organic production practices, managing pests and diseases, and postharvest handling. Lab activities will include hands-on application of production and postharvest techniques at SRJC's Shone Farm. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 verbiage.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SUAG 65 Cool Season Vegetable Production (2 Units)
Class focuses on characteristics and production of major cool season vegetable crops in Sonoma County. Topics include crop planning, organic production practices, soil management, season extension and cover cropping. Lab activities will include hands-on application of production techniques at SRJC's Shone Farm. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

SUAG 103 Composting for Organic Farming and Gardening (1 Units)
Composting is the cornerstone of building healthy soils in all segments of organic agriculture production. Topics will include composting process, the role of microbes in thermophilic composting and a survey of a variety of composting methods. The course is applicable to composting for small commercial fruit, vine and vegetable operations, and the information will be of equal importance for dairy farmers or hay producers, landscapers, as well as for residential settings. This is an introductory course aimed at the professional or serious student of agriculture and horticulture.
Grading Type: Letter, Pass/No-Pass

SUAG 109 Organic Crop Planning and Production (4 Units)
Students in this course will delve into a hands-on practicum in organic farming. This course covers planning and production practices for market farms. Topics include: seasonal crop selection, planting procedures, cultural practices, harvesting and post harvest for organic production of vegetable and grain crops in small commercial operations. Both manual and machine-powered management techniques will be discussed. Includes hands-on management of greenhouse starts and farm plots at Shone Farm. Rec Prep: Course Completion or Current Enrollment in AGRI 20 and AGRI 60.
Grading Type: Letter

SUAG 116 Organic Apple Production (1 Units)
This course emphasizes organic apple production practices and is intended for current or potential apple producers. Emphasizes available and effective methods in commercial or small-scale organic contexts. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

SUAG 117 Organic Fruit Tree and Berry Production (1.5 Units)
Students will learn about fruit tree and berry vine selection, planting, and care for small-scale orchard or home garden. Includes desirable varieties, site selection and preparation, soil and fertility management, pruning and training methods, harvest techniques and pest management. Emphasis on organic production methods. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

SUAG 119 Specialty Crop Production (2 Units)
In this introductory course, students will explore the history, uses, cultivation, cultivar selection, propagation techniques, agronomic practices, crop improvement strategies, and pest and disease management for both indoor and outdoor cultivation of industrial hemp (Cannabis sativa L.). Students will also discuss post-harvest processing, compliance testing requirements, local and federal regulations for industrial hemp cultivation. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

SUAG 120 Organic Gardening and Food Production (2 Units)
Exploration of organic gardening practices with an emphasis on designing and maintaining gardens. Application of techniques for local and seasonally appropriate production of edible crops including vegetables, fruits, flowers, and herbs. Class focuses on small scale production practices that are applicable for home gardens, as well as urban and community garden settings, including: permaculture design, soil building, watering, biodiversity and hand tools. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 verbiage.
Grading Type: Letter, Pass/No-Pass

SUAG 153 Community Supported Agriculture (2 Units)
This course will address aspects of crop management, production, and marketing as it relates to the development and operations of a Community Supported Agriculture (CSA) farm model. Students will gain hands-on experience through direct participation in crop production, harvesting, and packing at Shone Farm. This course will also prepare students for the California Food Handlers Exam.
Grading Type: Letter, Pass/No-Pass

SUAG 160 Direct Farm Marketing (3 Units)
In this course, students will review the principles and practices of direct farm marketing. Topics include business planning, marketing, post-harvest handling, food safety, and distribution. This course focuses on direct farm marketing practices relevant to the North Bay Area, including Community Supported Agriculture (CSA), farmstands, farmers markets, restaurant sales, and agritourism. Class may include mandatory field trips and/or participation events at Shone Farm.
Grading Type: Letter, Pass/No-Pass

Theatre Arts (THAR)

THAR 1 World Theatre Through Time (3 Units)
A study of the major eras and developments in world theatre history from the origins of theatre through the end of the 17th century, focusing on significant works of dramatic literature, as well as the global and cultural influences from which they emerged. Emphasis is placed on the interrelationship between theatre of different times and cultures, and the historical importance of theatre in society. Attendance at two or more SRJC Theatre Arts Department productions is required. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

THAR 2 Introduction to Theatre Arts (3 Units)
Students will be introduced to theatre as both an art form and social forum, emphasizing the interrelated processes of playwriting, acting, directing, design, technical theatre, theatre criticism, theatre management, and theatre architecture.Theatre will be studied from a variety of perspectives through lectures, attending plays, reading scripts, and hands-on experiences. Attendance is required at three or four assigned theatre productions (discounted admission; students provide own transportation unless specifically designated as a field trip)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 3,Cal-GETC Area 3A

THAR 6 Multicultural Perspectives in American Theatre (3 Units)
An introduction to influences and trends in theatre of the United States through the study of contemporary African American, Asian American, Latinx, Native American and Arab American drama. The course will focus on script analysis, video presentations, and play productions to gain a deeper understanding of theatrical expression within each cultural heritage. Rec Prep: Eligibility for ENGL C1000 or equivalent or appropriate placement based on AB705 mandates.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
GE: AA/AS Area 3,Cal-GETC Area 3A

THAR 10A Introduction to Acting (3 Units)
Students will learn fundamental acting techniques and concepts through exercises, theatre games, and improvisation, as well as lecture/demonstration. Designed for both majors and non-majors, this course includes individual and partnered performance assignments. Attendance at one or more SRJC Theatre Arts Department student productions is required. Rec Prep: Eligibility for ENGL C1000 or EMLS 10 or equivalent or appropriate placement based on AB705 mandates..
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 10B Scene Study and Characterization (3 Units)
Students will complete an intensive acting study of characterization focusing on psychological, physical, and vocal techniques, as exhibited through modern/contemporary scene work. Students will learn Stanislavski-influenced theoretical methods and script analysis, and receive an introduction to the business of acting. Attendance at one or more SRJC Theatre Arts student productions is required.
Prerequisites/Corequisites: Course Completion of THAR 10A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 11.1 Performance: Non-Musical (1-3 Units)
Students will prepare and present an acting role in a non-musical play for public performance. Enrollment in this course, requires students to audition and be cast in a role in a non-musical production at SRJC. Limits on Enrollment: By audition only
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 11.2 Performance: Musical (1-3 Units)
Students will prepare and present an acting role in a musical play for public performance. Enrollment in this course, requires students to audition and be cast in a role in a musical production at SRJC. Limits on Enrollment: By audition only
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 11.3 Performance: Musical - Dance (1-2 Units)
Rehearsal and performance of ensemble dance numbers and other choreographic staging for musical numbers and scenes in the context of musical theatre or opera productions. Limits on Enrollment: By audition only
Prerequisites/Corequisites: Concurrent Enrollment in THAR 11.2 OR THAR 81A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 11.4 Performance: Musical-Vocal (1-2 Units)
Students will prepare and present vocal components of a role in a musical theatre production for public performance. Students will learn the show's songs while incorporating character and theatrical voice techniques. Limits on Enrollment: By audition only
Prerequisites/Corequisites: Concurrent Enrollment in THAR 11.2
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 11.5A Performance: Musical-Instrumental 1 (0.5-2 Units)
This course involves the rehearsal and performance of an instrumental part in a musical theatre or opera production for public presentation. Designed for experienced musicians, the focus of the course is on learning the musical score and incorporating it into the overall production. Limits on Enrollment: By audition only
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 11.5B Performance: Musical-Instrumental 2 (0.5-2 Units)
This course involves the rehearsal and performance of an instrumental part in a musical theatre or opera production for public presentation. It is designed for experienced musicians, focusing on learning the musical score and incorporating it into the overall production. The production changes each time the courses are offered. Limits on Enrollment: By audition only
Prerequisites/Corequisites: Course Completion of THAR 11.5A
Transferability: Transferable to UC
Grading Type: Letter

THAR 11.8 Performance: Dance Concert (0.5-1 Units)
Students will prepare and present a full theatrical dance concert for public performance. Limits on Enrollment: By audition only
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 13A Performance Workshop: Styles, Periods and Skills 1 (3 Units)
Introduction to three different acting styles, including non-realistic styles and period realism, as well as further study of acting theory and specialized performance skills. Styles to be studied change each time the course is offered. This combination instruction/performance ensemble course requires night rehearsals during the last two weeks of classes and culminates in two performances of a public showcase.
Prerequisites/Corequisites: Course Completion of THAR 10B AND Concurrent Enrollment in THAR13AL
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 13AL Performance Workshop Lab: Styles, Periods and Skills 1 (0.5 Units)
This lab encompasses the extended planning, advanced preparation, and performance of an acting showcase for the public. Meeting the last few weeks of the semester, this is the companion course to a semester-long study of non-realistic acting styles, period realism, and specialized performance skills, which culminates in the showcase. Content for both courses and showcase change each time they are offered.
Prerequisites/Corequisites: Course Completion of THAR 10B AND Concurrent Enrollment in THAR 13A
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 13B Performance Workshop: Styles, Periods and Skills 2 (3 Units)
This course continues an introduction to non-realistic styles and period realism, as well as further study of acting theory and specialized performance skills. Three different styles are introduced over the course of the semester; styles studied will change each time the course is offered. This combination instruction/performance ensemble course requires night rehearsals during the last two weeks of classes and culminates in two performances of a public showcase.
Prerequisites/Corequisites: Course Completion of THAR 13A AND Concurrent Enrollment in THAR 13BL
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 13BL Performance Workshop Lab: Styles, Periods and Skills 2 (0.5 Units)
This lab encompasses the extended planning, advanced preparation, and performance of an acting showcase for the public. Meeting the last few weeks of the semester, this is the companion course to a semester-long study of non-realistic acting styles, period realism, and specialized performance skills, which culminates in the showcase. Content for both courses and showcase change each time they are offered.
Prerequisites/Corequisites: Course Completion of THAR13AL AND Concurrent Enrollment in THAR 13B
Transferability: Transferable to UC
Grading Type: Letter

THAR 14A Performance Workshop: Shakespeare 1 (3 Units)
Introduction to performing Shakespeare through an exploration of historical context, text analysis, acting theory, and performance techniques. Includes both in-depth monologue and scene work, resulting in a showcase performance open to the public. Rec Prep: Course Completion of THAR 1 OR ENGL 27.
Prerequisites/Corequisites: Course Completion of THAR 10B and Concurrent Enrollment in THAR 14AL
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 14AL Performance Workshop Lab: Shakespeare 1 (0.5 Units)
This lab meets the last two weeks of the semester for extended preparation related to performing Shakespeare through an exploration of historical context, text analysis, acting theory, and performance techniques. Includes both in-depth monologue and scene work, resulting in a showcase performance open to the public. Rec Prep: Course Completion of THAR 1 OR ENGL 27.
Prerequisites/Corequisites: Course Completion of THAR 10B AND Concurrent Enrollment in THAR 14A
Transferability: Transferable to UC
Grading Type: Letter

THAR 14B Performance Workshop: Shakespeare 2 (3 Units)
Continuing the study of performing Shakespeare through an exploration of historical context, text analysis, acting theory, and performance techniques. Includes both in-depth monologue and scene work, resulting in a showcase performance open to the public. Rec Prep: Course Completion of THAR 1 OR ENGL 27.
Prerequisites/Corequisites: Completion of THAR 14A AND Concurrent Enrollment in THAR 14BL
Transferability: Transferable to UC
Grading Type: Letter

THAR 14BL Performance Workshop Lab: Shakespeare 2 (0.5 Units)
This lab meets the last two weeks of the semester for extended preparation related to performing Shakespeare at an intermediate level through an exploration of historical context, text analysis, acting theory, and performance techniques. Includes both in-depth monologue and scene work, resulting in a showcase performance open to the public. Rec Prep: Course Completion of THAR 1 OR ENGL 27.
Prerequisites/Corequisites: Course Completion of THAR14AL and Concurrent Enrollment in THAR 14B
Transferability: Transferable to UC
Grading Type: Letter

THAR 17 Musical Theatre Techniques (3 Units)
Students will be introduced to musical theatre performance through the study and practice of musical scenes from the Broadway stage. Emphasis is placed on the application of vocal techniques, dance movement, and characterization to create a convincing performance. Audition skills as they relate to musical theatre will be included. Rec Prep: Course Completion of THAR 10A OR MUSCP 17A OR DANCE 10.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 19 Introduction to Movement and Mask (2 Units)
Students will learn the fundamentals of movement and masks, exploring and developing an understanding of their body as an instrument of expression and communication. The course encompasses exercises and improvisational explorations based on a variety of techniques for developing body and spatial awareness, including an introduction to mime, the use of Neutral Mask and character masks, and ensemble development exercises.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 20 Introduction to Stagecraft (3 Units)
Methods, materials and techniques of realizing the physical production on the stage, which include scenery, properties, lighting, and sound.
Prerequisites/Corequisites: Concurrent Enrollment in THAR 25 or THAR 25.2 or THAR 25.5
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 21A Introduction to Costume Technology (3 Units)
Introduction to practical application of methods, materials, and techniques used in costume construction with additional emphasis on related crafts and design as applied to the creative storytelling process of a public performance. Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Prerequisites/Corequisites: Concurrent Enrollment in THAR 25 or THAR 25.1 or THAR 25.5
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 21B Costume Technology 2 (3 Units)
This course continues application of methods, materials, and techniques used in costume construction with additional emphasis on related crafts and design as applied to the creative storytelling process of a public performance, at an intermediate level.
Prerequisites/Corequisites: Course completion of THAR 21A
Transferability: Transferable to UC
Grading Type: Letter

THAR 22 Makeup Design for Stage and Screen (2 Units)
Introduction to the materials and techniques of makeup design for stage, screen, and studio. Covers traditional and contemporary techniques of makeup application in both classroom and production environments. Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Prerequisites/Corequisites: Concurrent Enrollment in THAR 25.4 or THAR 25 or THAR 25.5
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 22.1 Special Effects Makeup, Wigs, and Masks (2 Units)
Methods, materials, and techniques realized in special effects design as it relates to theatrical makeup, including prosthetics, wig styling, and mask design and construction for stage, screen, and studio applications. (Students with prior theatrical makeup or art experience may petition to waive the prerequisite by submitting a Prerequisite Challenge form with Admissions.) Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Prerequisites/Corequisites: Course Completion or Current Enrollment in THAR 22 or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 22.2 Special Effects Makeup, Wigs, and Masks 2 (2 Units)
Intermediate methods, materials, and techniques realized in special effects design as it relates to theatrical makeup, including prosthetics, wig styling, and mask design and construction for stage, screen, and studio applications.
Prerequisites/Corequisites: Course Completion of THAR 22.1
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 23 Introduction to Scenic Design (3 Units)
An introduction to the means, methods, and materials utilized in designing scenery for the stage. Rec Prep: Course Completion of THAR 1 and THAR 20.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 24 Introduction to the Design Process (3 Units)
Students will be introduced to the collaborative process of theatrical design through hypothetical and/or actualized team projects. Projects focus on one or more design areas, including scenery, costume, lighting, sound, props, makeup, and hair. The course covers all aspects of the design process, including script analysis, research methodology, conceptualization, collaboration and communication skills, as well as careers in theatrical design. Rec Prep: Course Completion or Concurrent Enrollment in THAR 1 OR THAR 2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 25 Production Lab: General (1-3 Units)
Students will gain practical experience in multiple theatrical production positions for public performances. Work will be concentrated in one or more areas as a member of the construction crew, technical crews, and/or house staff for one or more Theatre Arts productions during the semester. Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 25.1 Production Lab: Costume Crew (1.5-3 Units)
Students will gain experience as members of the costume crew for SRJC public theatre performances. In addition to one class meeting and a scheduled training, crewing responsibilities will be completed during final rehearsals and performances for one to two Theatre Arts productions during the semester. Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Prerequisites/Corequisites: Course Completion or Current Enrollment in THAR 21A (or THAR 21)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 25.2 Production Lab: Running Crew (1.5-3 Units)
Students will gain experience as members of the running crew for SRJC theatre performances. Completion of crewing responsibilities will occur during final rehearsals and performances for one to two Theatre Arts productions during the semester. Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 25.3 Production Lab: House Staff (0.5-3 Units)
Students will gain practical experience as members of the house staff for SRJC public theatre performances. Completion of crewing responsibilities will occur during final rehearsals and performances for one to two Theatre Arts productions during the semester. Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 25.4 Production Lab: Makeup Crew (1.5-3 Units)
Students will gain practical experience as a members of the makeup crew for SRJC public theatre performances. Completion of crewing responsibilities will occur during final rehearsals and performances for one to two Theatre Arts productions during the semester. Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Prerequisites/Corequisites: Course Completion or Current Enrollment in THAR 22 (or THAR 22A)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 25.5 Production Lab: Construction (0.5-3 Units)
Students will gain practical experience in constructing sets, properties, costumes, makeup/wigs, crafts and/or hanging/focusing lights for one or more theatrical productions for SRJC public performances. Area assignments will be made based on student interest, prerequisite completion, and experience level. Lab sessions will be scheduled with respective departments throughout the production build. Rec Prep: Course Completion or Concurrent Enrollment in THAR 2.
Prerequisites/Corequisites: Course Completion or Current Enrollment in THAR 20 OR Course Completion of THAR 21A (or THAR 21)
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 26 Introduction to Theatrical Lighting (3 Units)
Students will learn the basic concepts of theatre lighting, including hands-on instruction in the operation of stage lighting, planning, and rigging. Instruction is focused on light sources, the theory of electricity in the theatre, color media and theory, lighting design, light plots, equipment, control systems, and rehearsal/performance procedures and operation. Rec Prep: Course Completion or Concurrent Enrollment in THAR 1 and THAR 20.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 27 Properties Workshop (2 Units)
Introduction to the basic materials, techniques and creative process involved in the design and construction of stage properties (commonly called props), as well as historical and conceptual aspects of properties design. Class content will include development of properties for SRJC productions. Rec Prep: Completion or concurrent enrollment in THAR 2.
Transferability: Transferable to UC
Grading Type: Letter

THAR 28 Introduction to Costume Design (3 Units)
Students will learn the fundamentals of costume design for the stage, focusing on character interpretation, script analysis, rendering, and materials. Rec Prep: Completion of THAR 1 and THAR 21A.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 29 Introduction to Theatre Management (3 Units)
Introduction to the principles of management in the theatre, with an emphasis on practical stage management techniques, responsibilities, methods, tools, ethics and essential skills. Course work includes lectures, hands-on activities, computer-based assignments, and front-of-house management for one or more SRJC Theatre Arts productions. Rec Prep: Course completion or Concurrent Enrollment in THAR 2 (or THAR 301).
Transferability: Transferable to UC
Grading Type: Letter

THAR 29L Theatre Management Laboratory (1-3 Units)
Practical experience in one or more areas of theatre management for public performances. Students apply and develop their managerial skills and knowledge within the context of a full Theatre Arts production. Rec Prep: Course Completion or Concurrent Enrollment in THAR 29 (or THAR 50)
Transferability: Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 42 Dance-Theatre Workshop (1-2 Units)
Students will participate in the development of one or more dance-theatre pieces blending dance movement with overt theatrical elements such as spoken text, props, sets, and theatrical costumes. The creative process will combine faculty choreography with collaborative work, resulting in a public performance (either a showcase or the annual dance concert). his course is intended for skilled performers in dance and/or theatre genres. May be performed in a non-traditional venue and/or include site-specific or multi-media work. Limits on Enrollment: By audition during the first week of class.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

THAR 49 Independent Study in Theatre Arts (1-3 Units)
Advanced, concentrated study in theatre appropriate to a student's own unique focus and circumstances, or in areas not covered by other courses in the curriculum. The course involves seminars or individual conferences by arrangement to provide for independent study and enriched academic experience. Students will work with a faculty project supervisor who has agreed to oversee the project. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.) Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

THAR 63 Acting in Film, Television, and Voice-over (3 Units)
In this class, the student will be introduced to film, television, and voice-over acting using 21st century technology. Topics include: the differences between acting for the stage and acting for the camera, understanding the complexities of a professional film set as well as a television studio, and the study of voice-over techniques. The class will culminate in the creation of a web-ready acting demo reel. Students will need access to a secure digital memory card as well as a smart phone, tablet, or other handheld device for recording and editing.
Prerequisites/Corequisites: Course Completion of THAR 10A
Transferability: Transferable to CSU
Grading Type: Letter

THAR 121.1 Stage Costuming: Introduction to Historical Draping (3 Units)
Practical application of methods, materials, and techniques used in draping a pattern for historical costume construction, with emphasis on costume construction for a current Theatre Arts production. (Students with prior sewing experience may petition to waive the prerequisite by submitting a Prerequisite Challenge form with Admissions.)
Prerequisites/Corequisites: Course Completion of THAR 21A or FASH 70A or equivalent
Grading Type: Letter

THAR 121.2 Stage Costuming: Introduction to Millinery (3 Units)
Practical application of methods, materials, and techniques used in millinery for theatrical production. Students will learn how to pattern buckram and pull felt hats while participating on millinery projects for a current Theatre Arts production. Rec Prep: Course Completion of THAR 21A or FASH 70A.
Grading Type: Letter

THAR 121.3 Stage Costuming: Period Corset Construction (3 Units)
Practical application of methods, materials, and techniques used in constructing a period corset for personal or theatrical use, with emphasis on historical costume construction for a current Theatre Arts production. (Students with prior sewing experience may petition to waive the prerequisite by submitting a Prerequisite Challenge form with Admissions.)
Prerequisites/Corequisites: Course Completion of THAR 21A or FASH 70A or equivalent
Grading Type: Letter

THAR 121.4 Stage Costuming: Tailoring Techniques (3 Units)
Practical application of methods, materials, and techniques used in tailoring historical men's and women's coats and jackets, with emphasis on tailored costume construction for a current Theatre Arts production. (Students with prior sewing experience may petition to waive the prerequisite by submitting a Prerequisite Challenge form with Admissions.)
Prerequisites/Corequisites: Course Completion of THAR 21A or FASH 70A or equivalent
Grading Type: Letter

THAR 127.1 Properties Workshop: Furniture and Upholstery (2 Units)
This course provides intermediate instruction in the skills involved in the design, coordination, and construction of stage properties (commonly called props), with a focus on furniture, upholstery and soft goods construction skills. Students will work on focus-related projects, as well as properties for SRJC productions.
Prerequisites/Corequisites: Course Completion of THAR 27
Grading Type: Letter

THAR 127.2 Properties Workshop: Mold Making and Casting (2 Units)
This course provides intermediate instruction in the skills involved in the design, coordination, and construction of stage properties (commonly called props), with a focus on theatrical mold making and casting skills. Students will work on focus-related projects, as well as properties for SRJC productions.
Prerequisites/Corequisites: Course Completion of THAR 27
Grading Type: Letter

THAR 127.3 Properties Workshop: Foam Carving and Food Properties (2 Units)
This course provides intermediate instruction in the skills involved in the design, coordination, and construction of stage properties (commonly called props), with a focus on foam carving and theatrical food properties preparation and construction skills. Students will work on focus-related projects, as well as properties for SRJC production.
Prerequisites/Corequisites: Course Completion of THAR 27
Grading Type: Letter

THAR 127.4 Properties Workshop: Weaponry and Specialty Items (2 Units)
This course provides intermediate instruction in the skills involved in the design, coordination, and construction of stage properties (commonly called props), with a focus on theatrical weaponry and specialty props. Students will work on focus-related projects, as well as properties for SRJC productions.
Prerequisites/Corequisites: Course Completion of THAR 27
Grading Type: Letter

Veterinary Tech (VETT)

VETT 50 Veterinary Anatomy and Terminology (3 Units)
Students will be introduced to the anatomy and physiology of all major body systems in small animals with a focus on companion animal species (canine and feline). This class also covers a body systems approach with an emphasis on veterinary medical terminology. Commonly used veterinary diagnostics and treatments are woven throughout the course as relevant to organ or body structure or function. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

VETT 52 Small Animal Disease Recognition and Transmission Control (3 Units)
This class will focus on the diseases of companion animal species (feline and canine). This class will include disease recognition as well as transmission control, hospital sanitation and sterilization procedures. A special emphasis will be placed on zoonoses awareness and protection. Microbiology of bacterial, viral, and fungal infections will be covered including relevance to chemical disinfectant handling. Rec Prep: Course Completion of VETT 50 and Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

VETT 101 Introduction to Veterinary Careers (1.5 Units)
This course provides students with an overview of the careers, concepts, and typical tasks that occur in a veterinary hospital. Students will be introduced to the rewards and realities of working in veterinary medicine, as well as the steps to become a Registered Veterinary Technician (RVT) and Doctorate of Veterinary Medicine (DVM). Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Grading Type: Letter, Pass/No-Pass

VETT 102 Adventures in Veterinary Medicine (1.5 Units)
This course provides students with a behind-the-scenes look at typical cases seen in general and specialty veterinary practice. This interactive, case-based introductory course explores a new case each week. Cases will be presented from start to finish, including client communication, history, presenting complaints, clinical signs, differential diagnoses, development of a diagnostic and therapeutic plan, and disease prevention.
Prerequisites/Corequisites: Course Completion or Current Enrollment in VETT 50 OR VETT 101
Grading Type: Letter, Pass/No-Pass

VETT 109 Complementary and Alternative Veterinary Medicine (2 Units)
This class will focus on disease treatment in animal species, (primarily feline and canine) using complementary and alternative modalities. Modalities covered will include acupuncture, herbal medicine, chiropractic, and homeopathy. This class will include complentary and alternative veterinary medicine (CAVM) terminology; record keeping, preparation and administration of nutraceutical, herbal, and homeopathic medicines; patient monitoring; removal, handling and disposal of acupuncture needles; prescription preparation; and client education regarding CAVM treatments.
Prerequisites/Corequisites: Completion of or Current Enrollment in VETT 50
Grading Type: Letter, Pass/No-Pass

VETT 120 Small Animal Veterinary Assistance and Nursing (3 Units)
Lecture and demonstration of small animal veterinary assistance and nursing procedures. Topics covered will include emergency veterinary care, intravenous catheter placement and maintenance, animal handling and restraint for veterinary procedures, preventive health care, nutrition, considerations for diseases and animal nursing, medication and fluid administration, euthanasia, and record keeping all in the context of a small animal veterinary clinic. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course completion of VETT 50
Grading Type: Letter, Pass/No-Pass

VETT 121 Veterinary Surgical and Dental Assistance (3 Units)
Students will explore all aspects of veterinary surgery and dentistry with emphasis on the role of the technician. All aspects of the surgical experience are covered, including surgical instrumentation, suturing techniques, application of bandages, splints and casts, patient preparation, surgical nursing and assisting, intravenous catheter placement, common surgical procedures, pain assessment and patient recovery. Dental care of companion, laboratory and large animals will be discussed, including disease progression, dental prophylaxis, and extractions. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of VETT 50
Grading Type: Letter, Pass/No-Pass

VETT 122 Animal Nursing Field Seminar (0.75 Units)
In this course students will gain practical experience in nursing skills, hospital safety procedures, and basic restraint techniques for canines and felines in a veterinary setting. Rec Prep: Course Completion or Concurrent Enrollment in VETT 50 (or ANHLT 50 or AG 67.2)
Prerequisites/Corequisites: Concurrent Enrollment in VETT 122L (or ANHLT 122L)
Grading Type: Letter, Pass/No-Pass

VETT 122L Animal Nursing Field Practicum (0.25 Units)
In this course students will gain practical experience applying small animal nursing skills in a veterinary setting. Rec Prep: Course Completion of VETT 50.
Prerequisites/Corequisites: Concurrent Enrollment in VETT 122 (or ANHLT 122)
Grading Type: Letter, Pass/No-Pass

VETT 123 Small Animal Veterinary Emergencies (2 Units)
Students will study both theoretical and practical aspects of assisting the veterinarian in the management of small animal (dog and cat) medical and traumatic emergencies. This class will include recognition, assessment, and triage of the emergent veterinary patient. Common specific emergency situations will be reviewed, including underlying cause, diagnostics, initial treatment, and ongoing intensive patient care.
Prerequisites/Corequisites: Course Completion of VETT 50
Grading Type: Letter

VETT 126 Veterinary Technician Review and Board Exam Preparation (2 Units)
Comprehensive review of veterinary technician information to prepare students for success on the Veterinary Technician National Exam. Pertinent subject matter will be reviewed with a focus of restating key concepts and identification of students' personal strengths and weaknesses regarding required subject matter. Students will also learn about requirements for exam eligibility and application procedure, exam design and composition, and question analysis strategies.
Prerequisites/Corequisites: Course Completion of VETT 52, VETT 120 and VETT 121
Grading Type: Letter, Pass/No-Pass

VETT 128 Exotic Animal Medicine (2 Units)
This class will provide an overview of veterinary medical care for non-standard species with a focus on the veterinary technician's role. Students will learn about the husbandry, handling, sample collection, treatment, and most common conditions of each species group. Species covered will include those most commonly presented to veterinary hospitals for care in our area (birds, rabbits, reptiles, etc.), as well as select free ranging and captive wildlife species. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course completion or current enrollment in VETT 50
Grading Type: Letter, Pass/No-Pass

VETT 141 Small Animal Veterinary Anesthesia (1.5 Units)
In this course, students will learn about the discipline of anesthesia for the small animal veterinary workplace. Students will become familiar with anesthetic medications, anesthetic equipment, patient assessment, anesthetic protocols and anesthetic monitoring for small animal patients. Rec Prep: Course Completion of VETT 120.
Prerequisites/Corequisites: Course Completion of VETT 50
Grading Type: Letter, Pass/No-Pass

VETT 142 Veterinary Pharmacology and Medical Calculations (1.5 Units)
Students will study the use of medication to treat and prevent disease within the veterinary workplace. General pharmacology and medications of all types will be covered. The indications, side effects, and administration of common specific medications will be discussed. Legal requirements for handling, labeling and dispensing medication will be covered in the context of a companion animal practice. This course includes all relevant mathematical skills need for patient specific dosing, filling prescriptions, and related tasks. Rec Prep: Course Completion of VETT 50, VETT 120 and MATH 150A.
Grading Type: Letter, Pass/No-Pass

VETT 151 Veterinary Laboratory and Imaging Procedures (2 Units)
Students will perform common diagnostic tests in veterinary medicine. Collection of quality samples, appropriate sample handling and test protocols will be discussed. Students will run tests on blood, urine, feces, and skin samples. Laboratory procedures performed will include clinical biochemistry, cytology, hematology, immunology, basic microbiology, parasitology, urinalysis, and basic necropsy techniques. This class will include safe and diagnostic use of imaging modalities including radiography, radiation safety principles, ultrasound principles, and basic endoscopy. Rec Prep: Eligibility for ENGL 100 or ESL 100
Prerequisites/Corequisites: Course Completion of VETT 52
Grading Type: Letter, Pass/No-Pass

VETT 161 Veterinary Medical Office Procedures (2 Units)
In this course students learn about the spectrum of skills utilized by veterinary office staff. Emphasis will be placed on client communication skills and medical office management, including medical record keeping and drug inventory control. Additional topics include emergency recognition, euthanasia and grieving, preventative health programs, common veterinary abbreviations, and relevant computer programs. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

Viticulture (VIT)

VIT 1 Introduction to Viticulture, Winemaking, Wines of the World (3 Units)
Students will study introduction to viticulture, winemaking, and wines of the world. The course includes five weeks on the history of viticulture, grapevine anatomy, and grape growing; five weeks on basic winemaking techniques; seven weeks on an overview of worldwide wine regions and grape and wine varieties and consumption. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to UC
Grading Type: Letter

VIT 51 Viticulture: Fall Practices (3 Units)
Fall practices for wine grape production in the North Coast region, including budding, grape maturity monitoring, harvesting, pruning, varietal selection and vineyard development. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

VIT 52 Viticulture: Spring Practices (3 Units)
Viticulture practices for spring including vineyard establishment, training, pest control, soils, frost protection, irrigation practices, quality control measures and vineyard equipment use. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

VIT 53 Advanced Vineyard Practices for Quality Production (3 Units)
Course presents principles and cultural practices utilized in the vineyard to produce high quality North Coast wines. A thorough look at the practices of fertilization, irrigation, trellis design, and canopy management as they relate to wine quality factors. Includes lectures, guest speakers, and field trips to local vineyards and wineries. Rec Prep: Completion of VIT 52, and Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100).
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

VIT 54 Viticulture: Summer Practices (1 Units)
Viticulture practices for summer including pest and disease monitoring and management, weed control, crop load assessment, canopy assessment, vine water status measurements and fruit quality improvement techniques. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter

VIT 55 Basic Wine Grape Viticulture (3 Units)
An introduction to viticulture including history and development of the wine industry, grape growing, distribution, processes and factors affecting wine quality. Also covers biology, anatomy, propagation, cultivated varieties, rootstocks, climate, vineyard practices, and common diseases and pests. Provides basic information required to establish a wine grape vineyard in Sonoma County. Rec Prep: Eligibility for ENGL 100 or ESL 100
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

VIT 60 Vineyard Management (3 Units)
Students in this course, will learn the responsibilities of vineyard management.Topics will include diagnosis and correction of vine problems, vineyard development, financial projections and budgeting, labor contracting, supervision of employees, and grape sale contracts. Rec Prep: Course Completion or Concurrent Enrollment in VIT 51 and VIT 52.
Transferability: Transferable to CSU
Grading Type: Letter

VIT 70 Vineyard Pest and Disease Management (3 Units)
Examination of vineyard pests, diseases, and vectors; including their identification, life-cycles, specific monitoring and economic thresholds. Topics include: vineyard fungal, bacterial and viral diseases, insects, and other pests. Efficient, current and environmentally sound management strategies will be emphasized. Rec Prep: Course Completion or Concurrent Enrollment in VIT 55 AND Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100).
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

VIT 113 Organic Viticulture (1.5 Units)
Examination of commercial organic wine grape production and organic certification requirements. Regional growing conditions will be emphasized. Topics include: assessment of site feasibility for organic production; appropriate choice of planting materials; soil fertility; biodiversity; ecologically sound pest and disease management; cost comparisons of organic production versus other methods. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

VIT 114 Sustainable Viticulture (1.5 Units)
Examination of commercial sustainable wine grape production and certification requirements. Regional growing conditions will be emphasized. Topics include: vineyard practices that promote environmental protection and resource conservation, economic viability and continuity, and social equity. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

VIT 120 Vineyard Pruning (0.25 Units)
In this course, students will learn the theory and practice of pruning head, cane vines and cordon vines. Course emphasizes the grapevine's response to pruning, training young and mature vines, and introduces terminology and equipment.
Grading Type: Letter, Pass/No-Pass

VIT 121 Pruning Techniques for Vine Balance (0.5 Units)
Concepts and techniques for pruning to promote wine grape vine balance.
Grading Type: Letter, Pass/No-Pass

VIT 122 Vineyard Canopy Management (1 Units)
Latest techniques in developing trellising systems for wine grape production. Principles and practices of canopy management are covered, focusing on improving grape and wine quality. Rec Prep: Course completion of VIT 120.
Grading Type: Letter, Pass/No-Pass

VIT 123 Budding & Grafting (0.25 Units)
In this course, students will learn all methods of grapevine budding and grafting. Covers methods used to graft over vines in vineyards. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

VIT 124 Vineyard Irrigation and Fertilization (1 Units)
In this course, students will study soil types and irrigation requirements in the vineyard. The course includes vineyard water and nutrition needs, water and fertilizer application techniques, and irrigation management for various rootstocks.
Grading Type: Letter, Pass/No-Pass

VIT 130 Grapevine Physiology (1 Units)
In this advance viticulture theory course, students will learn grapevine physiology and phenology. Topics include vine balance, flowering and fruit set, stages of berry growth, and vine water status. Rec Prep: Eligibility for ENGL 100 or ESL 100.
Grading Type: Letter, Pass/No-Pass

VIT 131 Working with Your Winemaker - Fruit Quality Assurance (1 Units)
The primary aspects of wine grape quality improvement will be covered. The student will write a detailed plan to improve fruit quality in the vineyard, and then assess and evaluate the degree of improvement achieved. This short course also addresses enhanced communication skills between the grower and the winemaker or grape buyer. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

VIT 132 Advances in Vineyard Integrated Pest and Disease Management (0.5 Units)
This course encompasses critical evaluation and discussion of current research papers related to viticulture, plant pathology, entomology and pest management. The papers will be selected from peer- reviewed journals. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

VIT 133 Advances in Viticulture (1 Units)
Students will evaluate and discuss current vinicultural research papers from peer-reviewed journals. The intent is to broaden student perspective beyond textbooks for understanding the most current vineyard practices that aim for efficiency and fruit quality improvement. Rec Prep: Eligibility for ENGL 1A or equivalent
Grading Type: Letter, Pass/No-Pass

Vocational Education (VE)

VE 713 Employment Transitions
In this course, students with special needs will be prepared for successful employment. The course emphasizes job readiness, job search fundamentals, and job retention skills. Classes include exploration of values and interests, preparing for a job interview, family support activities, and career advancement strategies. Each student's learning is directed by an individualized plan. The course is offered in partnership with community agencies.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Waste Water Treatment (WWTR)

WWTR 112 Math for Water and Wastewater Technology (3 Units)
In this course, students will learn the practical application of mathematical calculations for hydraulics, chemicals, and solids used in the design, operation, process control, and maintenance of water and wastewater distribution systems and treatment facilities.
Grading Type: Letter, Pass/No-Pass

WWTR 120 Wastewater Treatment 1 (3 Units)
In this course, students are introduced to wastewater treatment plant operations and the role of the operator including the origins and characteristics of wastewater, wastewater collection and treatment systems, and associated mathematical computations. This course will help students prepare for State Water Resources Control Board (SWRCB) Wastewater Operator Certification Examination Grade 1. A field trip to a wastewater facility during regular class hours is required.
Prerequisites/Corequisites: Course Completion or Current Enrollment in WWTR 112
Grading Type: Letter

WWTR 121 Wastewater Treatment 2 (3 Units)
In this course, students will learn principles and techniques used in advanced/tertiary wastewater treatment including disinfection, chlorination, odor control, wastewater reclamation, advanced sludge treatment and disposal, laboratory control methods, the National Pollution Discharge Elimination System (NPDES) discharge requirements, report writing, and maintain records. The course will help students prepare for State Water Resources Control Board (SWRCB) Wastewater Operator Certification Grade 2 exam. A field trip to a wastewater facility during regular class hours is required.
Prerequisites/Corequisites: Course Completion of WWTR 120
Grading Type: Letter, Pass/No-Pass

WWTR 122 Chemistry for Water and Wastewater Technology (3 Units)
In this course students will gain a basic understanding of wastewater laboratory information, including chemical terms and symbols, equipment, sampling, safety, and quality assurance. Students will perform lab tests, including pH, dissolved oxygen, solids (settleable, suspended, total, volatile), sludge volume index, biological and chemical oxygen demand, alkalinity, hardness, turbidity, chlorine residual, and total coliform bacteria.
Prerequisites/Corequisites: Course Completion of WWTR 112 (or ENVT 112)
Grading Type: Letter, Pass/No-Pass

WWTR 123 Instrumentation and Controls (3 Units)
In this course, students will learn applications and uses of water, wastewater, and industrial control systems including switches, relays, alarms, motors, transformers, test equipment, control systems, telemetering, and System Control and Data Acquisition (SCADA). Field trip(s) may be required. Rec Prep: Course Completion or Concurrent Enrollment in WTR 101.
Grading Type: Letter, Pass/No-Pass

WWTR 124 Pumps and Motors (3 Units)
Students will learn the basic theory of hydraulics, motors, and pumping systems including operation, types, troubleshooting, general safety procedures, maintenance and repair of pumps and pumping systems. A field trip to a wastewater treatment facility during regular class hours is required.
Grading Type: Letter, Pass/No-Pass

WWTR 125 Industrial Waste Pretreatment Facility Inspection (3 Units)
Students will learn the roles and responsibilities of a pretreatment facility inspector, including development, application and implementation of regulations, inspection procedures, safety, sampling protocols, flow monitoring, pollutants of concern, pollution prevention and source control technology, enforcement and emergency response, and pretreatment administration. A field trip to an industrial treatment facility is required.
Grading Type: Letter, Pass/No-Pass

Water Treatment (WTR)

WTR 101 Introduction to Water Careers (1 Units)
Introduces the water cycle with focus on Sonoma County water resources and water needs. Explores local career opportunities in the fields of water treatment technology, water distribution technology, and waste water treatment technology.
Grading Type: Letter

WTR 110 Water Treatment Plant Operator (3 Units)
In this course, students will learn the knowledge and skills required to safely operate public drinking water treatment facilities and help in the preparation for the State of California Water Treatment Operator exam(s). Field trip required.
Prerequisites/Corequisites: Course Completion or Current Enrollment in WWTR 112
Grading Type: Letter

WTR 111 Water Distribution System Operator (3 Units)
In this course, students will obtain the knowledge and skills required to safely operate a potable water distribution system. Students will also examine flow in pipes, storage facilities, pumps, instrumentation and control, distribution maintenance, system water quality, safety, recordkeeping and preparation for the State of California Water Distribution System Operator exam(s).
Prerequisites/Corequisites: Course Completion or Current Enrollment in WWTR 112
Grading Type: Letter

Welding (WELD)

WELD 98 Independent Study in Welding (1-6 Units)
In this course, students will complete special projects by arrangement to provide for independent study and enriched academic experience in welding. Limits on Enrollment: Enrollment contingent upon approval of the project by supervising faculty, department chair, and supervisory administrator.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

WELD 101 Introduction to Shielded Metal Arc Welding (SMAW) (2 Units)
An introduction to the principles of shielded metal arc welding (SMAW), setup/use of SMAW equipment, and safe use of tools and equipment. Provides instruction in welding carbon steel weld joints in various positions. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of WELD 170 (or WELD 70 or WELD 70A)
Grading Type: Letter, Pass/No-Pass

WELD 102 Introduction to Gas Metal Arc Welding (GMAW) (2 Units)
An introduction to the principles of gas metal arc welding (GMAW), setup/use of GMAW equipment, and safe use of tools and equipment. Provides instruction in welding carbon steel weld joints in various positions. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of WELD 170 (or WELD 70 or WELD 70A)
Grading Type: Letter, Pass/No-Pass

WELD 103 Introduction to Flux Cored Arc Welding (FCAW) (2 Units)
An introduction to the principles of flux core arc welding (FCAW), setup/use of FCAW equipment, and safe use of tools and equipment. Provides instruction in welding carbon steel weld joints in various positions. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of WELD 170 (or WELD 70 or WELD 70A)
Grading Type: Letter, Pass/No-Pass

WELD 104 Introduction to Gas Tungsten Arc Welding (GTAW) (2 Units)
An introduction to the principles of gas tungsten arc welding (GTAW), setup/use of GTAW equipment, and safe use of tools and equipment. Provides instruction in welding carbon steel, stainless steel, and aluminum weld joints in various positions. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: Course Completion of WELD 170 (or WELD 70 or WELD 70A)
Grading Type: Letter, Pass/No-Pass

WELD 113 Thermal Cutting Processes (2 Units)
An introduction to the principles of thermal cutting processes. Covers the setup and safe use of Oxy-fuel Cutting (OFC), Plasma Arc Cutting (PAC) and Air Carbon Arc Cutting (CAC-A) equipment Rec Prep: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates; and course completion or concurrent enrollment in MACH 161.
Prerequisites/Corequisites: Course Completion or Current Enrollment in WELD 170 (or WELD 70 or WELD 70A)
Grading Type: Letter, Pass/No-Pass

WELD 114A Introduction to Metal Fabrication (2 Units)
An introduction to the principles and practices of metal fabrication. Emphasis is placed on safe operation of metal working tools and equipment. Covers common fabrication, manufacturing, and cost estimation methods used in industry. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent.
Prerequisites/Corequisites: For students starting Fall 2020: Course Completion of WELD 170 and WELD 113 and MACH 161 AND; Course Completion of WELD 101, WELD 102, WELD 103, OR WELD 104. For students enrolled Spring 2020 or earlier: Course Completion of WELD 170 and Course completion or concurrent enrollment in MACH 161 AND; Course Completion of WELD 171.1, WELD 171.2, WELD 172.3, WELD 175A OR WELD 175B
Grading Type: Letter, Pass/No-Pass

WELD 114B Advanced Metal Fabrication (2 Units)
Advanced work with the principles and practices of metal fabrication. Emphasis is placed on safe operation of metal working tools and equipment. Covers common fabrication, manufacturing, and cost estimation methods used in industry.
Prerequisites/Corequisites: Course Completion of WELD 114A and MACH 162 (MACH 52)
Grading Type: Letter, Pass/No-Pass

WELD 170 Beginning Welding: Fundamentals of Arc and Gas Welding (2 Units)
The student will learn the fundamentals of arc and oxy-acetylene welding, and oxy-acetylene flame cutting. Topics will include safety, shop practices, and preparation for American Welding Society (AWS) welding certifications. Rec Prep: Eligibility for ENGL 1A or equivalent
Grading Type: Letter, Pass/No-Pass

Wine Studies (WINE)

WINE 1 Introduction to Viticulture, Winemaking, Wines of the World (3 Units)
Students will study introduction to viticulture, winemaking, and wines of the world. The course includes five weeks on the history of viticulture, grapevine anatomy, and grape growing; five weeks on basic winemaking techniques; seven weeks on an overview of worldwide wine regions and grape and wine varieties and consumption. Rec Prep: Eligibility for ENGL 1A or equivalent
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

WINE 3 Introduction to Enology (4 Units)
An introduction to the process and science of winemaking. Includes basic viticulture, harvest decisions, crushing, fermentation, pressing, basic wine chemistry, aging and processing, bottling, wine additives, sensory evaluation, use of oak, wine defects, winery equipment, filtration and preparation for bottling. Covers red, white and sparkling wines. Rec Prep: Eligibility for ENGL 1A or equivalent. Limits on Enrollment: Must be age 18 or older
Prerequisites/Corequisites: Minimum Age 18 or older
Transferability: Transferable to UC
Grading Type: Letter, Pass/No-Pass

WINE 42.1 Fall Winery Operations (2 Units)
In this course, students will explore the hands-on operations used in a commercial winery for the fall season, including grape maturity monitoring, grape harvesting and crushing, fermentation, and handling and storage of new wines. This course also includes general industry standards for cellar practices. Rec Prep: Eligibility for ENGL 1A or equivalent. Limits on Enrollment: Must be age 18 or older
Prerequisites/Corequisites: Minimum Age 18 or older
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

WINE 42.2 Spring Winery Operations (2 Units)
In this course, students will explore the hands-on operations used in a commercial winery for the spring season, including grape maturity monitoring, grape harvesting and crushing, fermentation, and handling and storage of new wines. This course also includes general industry standards for cellar practices. Rec Prep: Eligibility for ENGL 1A or equivalent. Limits on Enrollment: Must be age 18 or older
Prerequisites/Corequisites: Minimum Age 18 or older
Transferability: Transferable to CSU, Transferable to UC
Grading Type: Letter

WINE 55 Lab Analysis of Wines (3 Units)
In this course, students learn about and practice winery laboratory procedures including basic chemistry principles, laboratory techniques, and commonly used analysis methods for musts and wines.
Prerequisites/Corequisites: Course Completion of CHEM 3A AND CHEM 3AL; OR CHEM 1A; OR CHEM 8; OR CHEM 42; OR CHEM 60
Transferability: Transferable to CSU
Grading Type: Letter

WINE 70 Beginning Wine Sensory Analysis (1.5 Units)
An introductory wine tasting course designed to expose students to a broad range of wine varietals and wine styles and to develop wine tasting expertise in recognizing components that make up wine flavor and style. Course includes tasting Sonoma County as well as worldwide wines, learning basic tasting techniques, and an introduction to the fermentation process. Students should bring six matching wine glasses to every class session. Rec Prep: Course Completion of VIT 1 OR WINE 1; AND Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100). Limits on Enrollment: Age 18 or older
Prerequisites/Corequisites: Minimum Age 18 or older
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass

WINE 101 Wine Sales (1.5 Units)
This class broadly examines the business of wine sales and distribution, including the three-tier system of wine distribution and direct sales to consumers. Topics will include the costs of distribution including margins, mark-ups, freight, and taxes. Regional market variation is covered, including the differences between retail and restaurant sales. The import and export of wines are reviewed. Rec Prep: Course Completion of WINE 1 OR VIT 1; and WINE 3.
Grading Type: Letter, Pass/No-Pass

WINE 102 Wine Marketing (1.5 Units)
In this course, students will be presented with a practical approach for marketing wine. This includes completing a market analysis, planning and developing a marketing plan, and identifying strategies for successful product placement and sales. Rec Prep: Course Completion of WINE 1 (or VIT 1) AND WINE 3.
Grading Type: Letter, Pass/No-Pass

WINE 103 Wine Direct to Consumer Sales (1.5 Units)
Students will explore sales and marketing of wine directly to consumers. The course will include information on special events, creation and management of wine clubs, tourism, building connection with customers and online and social media marketing. The focus is strictly on the aspects of marketing and selling wine directly to consumers. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) and Course Completion of WINE 1 OR VIT 1; and WINE 3.
Grading Type: Letter, Pass/No-Pass

WINE 109 Wine Club Creation, Maintenance, and Promotion (1.5 Units)
Students will learn the essentials of creating and maintaining a wine club, including creating a club infrastructure, how to use traditional and social media to communicate with members, how to host club events, how to prepare marketing and public relations plans and materials, and the importance of sustainable wine practices to consumers. Rec Prep: Eligibility for ENGL 100 or ESL 100
Grading Type: Letter, Pass/No-Pass

WINE 110 Advanced Wine Sensory Analysis (1.5 Units)
Students will learn advanced wine tasting techniques and how to objectively evaluate a wine (as is done in professional wine competitions). The course includes extensive wine tastings led by working wine professionals. Students should bring six matching wine glasses to every class session. Rec Prep: Course Completion of WINE 70 and Course Completion of WINE 1 OR VIT 1; AND Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100). Limits on Enrollment: Must be 18 years or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 111.1 Sonoma American Viticulture Areas-North County (1.5 Units)
Students will learn about the wines and wineries of northern Sonoma County's winegrowing regions. The most important American Viticulture Areas (AVA) of Northern Sonoma County and the wines they produce will be examined in detail. Sensory evaluation of selected wines from each region will be explored. Northern Sonoma County winery guest presentations and field trips are a major component of this class. Students should bring six matching wine glasses to every class session. Rec Prep: Eligibility for ENGL 100 or ESL 100. Limits on Enrollment: Minimum Age 18 or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 111.2 Sonoma American Viticulture Areas-South County (1.5 Units)
Students will learn about the wines and wineries of Southern Sonoma County's winegrowing regions. The most important American Viticulture Areas (AVA) of Southern Sonoma County and the wines they produce will be examined in detail. Sensory evaluation of selected wines from each region will be explored. Southern Sonoma County winery guest presentations and field trips are a major component of this class. Students should bring six matching wine glasses to every class session. Rec Prep: Eligibility for ENGL 100 or ESL 100. Limits on Enrollment: Minimum Age 18 or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 112 Wine Regions of California (1.5 Units)
This class is an investigation of California winegrowing regions. The grape varietals, growing practices, and wine styles of all significant California wine-producing regions will be covered. Students should bring six matching wine glasses to every class session. Rec Prep: Course Completion of WINE 1 or VIT 1; and Course Completion of WINE 3, WINE 70, and WINE 110. Limits on Enrollment: Age 18 or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 116 Wines of Italy (1.5 Units)
An introductory examination of the major wine regions of Italy, grape varietals grown there, and the wines produced. This course will also explore the importance of wine in Italian cuisine and culture and the stature Italian wines have achieved worldwide. Rec Prep: Eligibility for ENGL 100 or ESL 100. Limits on Enrollment: Must be 18 years or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 117 Wines of France (1.5 Units)
An introductory examination of wines and wine styles of all major French wine regions. This course also covers the French appellation system and wine sensory characteristics. Students should bring six matching wine glasses to every class session. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or appropriate placement based on AB705 mandates. Limits on Enrollment: Must be 18 years or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 119 An Examination of Pinot Noir (1.5 Units)
An examination of Pinot Noir--from growing the grape to the wine in the glass. In this intensive course, we will consider and taste the diversity of Pinot Noir wine styles from the most important regions of California, Oregon, Europe and the southern hemisphere. Students should bring six matching wine glasses to every class session. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent. Limits on Enrollment: Must be 18 years or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 123 Causation and Detection of Wine Faults (1.5 Units)
An introductory wine sensory course designed to teach basic analytical wine tasting techniques and expose students to the causes and effects that result in flaws and faults in wine. Curriculum covers sensory physiology, analytical tasting, and the basic chemistry and microbiology of winegrowing and winemaking practices that result in wine defects. The course offers coaching to support mastery of individual sensory thresholds and develops wine sensory expertise that is useful at all levels of the wine industry. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent; and Course Completion of WINE 1 OR VIT 1. Limits on Enrollment: Must be 18 years or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 124 Cabernet Sauvignon (1.5 Units)
In this course, students will explore Cabernet Sauvignon and the worldwide wines in which it plays a key role. Students will examine and taste Cabernet Sauvignon wine styles from around the world. Students should bring six matching wine glasses to every class session. Limits on Enrollment: Must be 18 years or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 128 Developing and Maintaining Wine Social Media Campaigns (1.5 Units)
Students will learn to build a team to create an effective social media campaign and to use popular social media platforms to promote wine, winery events, and wine brands. Included are basics of wine branding, how to identify target audiences for wine social media campaigns, how to develop metrics for measuring effectiveness of wine social media campaigns, and how to integrate social media campaigns into existing wine marketing strategies. Rec Prep: Eligibility for ENGL C1000 or equivalent and CS 57.11 and Course Completion of VIT 1 OR Course Completion of WINE 1.
Grading Type: Letter, Pass/No-Pass

WINE 130 Wine Service and Hospitality (1.5 Units)
A comprehensive exploration of wine service and hospitality. Covers selecting, serving, decanting, storing, transporting, handling, selling and displaying wine in restaurants, tasting rooms, and private venues. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) and Course Completion of WINE 1 or VIT 1. Limits on Enrollment: Must be 18 years or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 131 Wine Industry Event Planning (1.5 Units)
Students will learn how to plan, organize, and manage wine industry events. Students will plan and execute a wine event as part of the class. Rec Prep: Course Completion of WINE 1 OR VIT 1. Limits on Enrollment: Minimum Age 18 or older.\ Students will be tasting wine in this course.\ Legal Age requirement for the Sip and Spit Law is minimum age of 18.
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 132.1 Tasting Room Operations (2 Units)
Development of skills to work in a wine tasting room. Students rotate through stations in the student-run wine tasting room at Shone Farm, developing skills in customer service (at a tasting bar and at a sit-down table), customer relationship management (CRM), closing sales, giving tours, merchandising, responsible alcohol service, and current operating software systems such as, wine club, CRM and point of sale (POS). Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent AND Course Completion of WINE 1 (or VIT 1), WINE 3 (or WINE 42.1), AND WINE 111.1 (or WINE 111.2). Limits on Enrollment: Age 21 or older
Prerequisites/Corequisites: Minimum Age 18 or older
Grading Type: Letter, Pass/No-Pass

WINE 132.2 Tasting Room Management (2 Units)
Development of skills to manage a wine tasting room including hiring, training and firing, personnel management, budgeting and monitoring fiscal performance. Rec Prep: Eligibility for ENGL 100 OR EMLS 100 (formerly ESL 100) or equivalent AND Course Completion of WINE 1 (or VIT 1), WINE 3 (or WINE 42.1), AND WINE 111.1 (or WINE 111.2). Limits on Enrollment: Age 21 or older
Prerequisites/Corequisites: Course completion of WINE 132.1 or one year experience working in a commercial wine tasting room; AND minimum age 21 or older
Grading Type: Letter, Pass/No-Pass

Work Experience Education (WEE)

WEE 94 Pre-Internship Preparation (0.5 Units)
Students will use practical tools, including Artificial Intelligence (AI), and strategies to find meaningful internship or job placements. Topics will include how to navigate job platforms, create a professional profile, and prepare application materials such as resumes and cover letters. By engaging in mock interviews and researching potential employers, students will gain experience in interview techniques and follow-up procedures, equipping them with the necessary job search techniques to find internships in their field of study.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
Repeats available. Please reach out to your counselor for more information.

WEE 95 Volunteer Service (0.5-3 Units)
Students will volunteer in the community and set goals in this experiential learning course. Students will volunteer at places such as: clinics, hospitals, convalescent homes, educational facilities, animal-care facilities, recreation programs, government agencies, and/or non-profit organizations. The instructor will assist students in locating leads for volunteer opportunities. To earn college credit within the academic term, students must complete 52.5 hours of volunteer work for each 1.00 academic unit. Limits on Enrollment: Student must complete an informational meeting with instructor to discuss volunteer opportunities and placement prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8
Exempt from Repeat Provisions

WEE 97 Work Experience (1-8 Units)
Throughout this course, students will develop a heightened career awareness, acquire valuable work habits, and foster positive workplace attitudes. Students will set work-based learning goals, benefit from job coaching, and receive guidance on resume development. Students are responsible for securing a position before they enroll in the course. To earn college credit within the academic term, students must complete 52.5 hours of work for each 1.00 academic unit. Limits on Enrollment: Students must have a job in a licensed business to qualify for General Work Experience. Units earned are based on hours worked during the semester.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8
Exempt from Repeat Provisions

WEE 99I Internship Work Experience Education (0.5-8 Units)
Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. Students will set learning goals, and receive job coaching, and resume-writing instruction. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. To earn college credit within the academic term, students must complete 52.5 hours of work for each 1.00 academic unit. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Transferability: Transferable to CSU
Grading Type: Letter, Pass/No-Pass
GE: AA/AS Area 8
Repeats available. Please reach out to your counselor for more information.

WEE 494 Pre-Internship Preparation
Students will use practical tools, including Artifical Intelligence (AI), and strategies to find meaningful internship or job placements. Topics will include how to navigate job platforms, create a professional profile, and prepare application materials such as resumes and cover letters. By engaging in mock interviews and researching potential employers, students will gain experience in interview techniques and follow-up procedures, equipping them with the necessary job search techniques to find internships in their field of study.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

WEE 495 Volunteer Service
Students will volunteer in the community and set goals in this experiential learning course.Students will volunteer at places, such as clinics, hospitals, convalescent homes, educational facilities, animal-care facilities, recreation programs, government agencies, and/or non-profit organizations. The instructor will assist students in locating leads for volunteer opportunities. Limits on Enrollment: Student must complete an informational meeting with instructor to discuss volunteer opportunities and placement prior to enrollment.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

WEE 497 Work Experience
Throughout this course, students will develop a heightened career awareness, acquire valuable work habits, and foster positive workplace attitudes. Students will set work-based learning goals, benefit from job coaching, and receive guidance on resume development. Students are responsible for securing a position before they enroll in the course. Limits on Enrollment: Students must have a job in a licensed business to qualify for General Work Experience.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

WEE 499I Internship Work Experience Education
Internships provide students the opportunity to gain valuable applied experience, develop social capital, explore career fields, and make connections in professional fields. Students will set learning goals, and receive job coaching, and resume-writing instruction. To be eligible for internships, students will have declared a major, have completed courses in their major, or have acquired a high level of skill in their discipline, and are ready for on-the-job experience in a paid or unpaid position. Students are responsible for securing a position before they enroll in the course. Limits on Enrollment: Student must have secured an internship position prior to enrollment.
Grading Type: Non-Credit Ungraded
Repeats available. Please reach out to your counselor for more information.

Work Experience - Occupational (WEOC)

WEOC 99 Occupational Work Experience (0.5-8 Units)
Occupational Work Experience is supervised employment of students that extends classroom learning to the job site and relates to the student's educational or occupational goal. Students will set learning goals, receive job coaching, and resume instruction. The course is for students who work in a job that is related to their chosen course of study. Credit for work is determined by hours worked within the semester: 75 paid hours or 60 non-paid hours equals one unit. Limits on Enrollment: Students must have a job in a licensed business that is directly related to their educational or occupational goal. Units earned are based on hours worked during the semester.
Transferability: Transferable to CSU
Grading Type: Letter
Repeats available. Please reach out to your counselor for more information.

STAFF DIRECTORY

- Board of Trustees (p. 563)
- Administration (p. 563)
- Faculty (p. 563)
- Classified Staff (p. 563)

Board of Trustees

Please refer to this link: https://trustees.santarosa.edu/board for the Santa Rosa Junior College Board of Trustees.

Administration

Please refer to the following link for the current list of Santa Rosa Junior College administrators:

https://hr.santarosa.edu/sites/hr.santarosa.edu/files/documents/administration.pdf

Questions or comments about the staff directory may be sent to: Gina Waggoner, gwaggoner@santarosa.edu

Faculty

Please refer to the following link for the current list of Santa Rosa Junior College faculty:

https://hr.santarosa.edu/sites/hr.santarosa.edu/files/documents/faculty.pdf

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Classified Staff

Please refer to the following link for the current list of Santa Rosa Junior College classified staff:

https://hr.santarosa.edu/sites/hr.santarosa.edu/files/documents/classified.pdf

Questions or comments about the staff directory may be sent to: Gina Waggoner, gwaggoner@santarosa.edu

INDEX

A

About SRJC 13
Academic Calendar 11
Academic Freedom 34
Academic Honors 34
Academic Integrity 34
Academic Integrity Statement 13
Academic Prep: Math (Certificate of Competency) 218
Academic Preparedness: English (Certificate of Competency) 219
Accreditation 13
Adapted Physical Education (APE) 387
Additional Associate's Degrees 86
Administration 563
Administration of Justice (AJ) 388
Administration of Justice (AS-T) 102
Administrative Assistant (AS) 103
Administrative Assistant (Certificate of Achievement) 219
Admission and Dual Enrollment of High School and Other Young Students 23
Admissions and Dual Enrollment 22
Admissions and Registration 20
Adult Education (ADED) 391
Advanced Cardiac Life Support (Skills Certificate) 221
Advanced Manufacturing Tech (AS) 104
Advanced Manufacturing Tech (Certificate of Achievement) 221
Advanced Manufacturing Tech (MACH) 396
Advanced Transportation (ATL) 397
AE: Basic Computer Ops (Certificate of Completion) 222
AE: Carpentry Fundamentals (Certificate of Completion) 223
AE: Family Child Care Provider (Certificate of Completion) 224
AE: Financial Literacy (Certificate of Completion) 224
AE: Fire Resilient Landscaping (Certificate of Completion) 225
AE: Intro to Bldg & Constr (Certificate of Completion) 226
AE: Intro to Landscape Maint (Certificate of Completion) 227
AE: Intro to Landscaping I (Certificate of Completion) 227
AE: Intro to Landscaping II (Certificate of Completion) 228
AE: Personal Care Attendant (Certificate of Completion) 229
AE: Small Business Management (Certificate of Completion) 229
AE: Social Media for Business (Certificate of Completion) 230
AE: Starting a Small Business (Certificate of Completion) 231
AE: Tax Preparation (Certificate of Completion) 232
AE: Web-Based Tools & Appls (Certificate of Completion) 232
AE: Workforce Preparation (Certificate of Completion) 233
AE: Workplace Computer Ops (Certificate of Completion) 234
AGAS: Livestock & Equine Mgmt (Certificate of Achievement) 235
AGEH: Landscape Constr & Maint (AS) 105
AGEH: Landscape Constr & Maint (Certificate of Achievement) 236
AGEH: Landscape Design (AS) 106
AGEH: Landscape Design (Certificate of Achievement) 238
AGNR: Wildfire Resilience (Skills Certificate) 239
Agriculture (AGRI) 399
Agriculture Animal Science (AS-T) 106
Agriculture Business (AGBU) 400
Agriculture Business (AS-T) 107
Agriculture Mechanics (AGME) 401
Agriculture Plant Science (AS-T) 108
AGVI: Viticulture (AS) 109
AGVI: Viticulture (Certificate of Achievement) 240
AGWS: Enology (AS) 110
AGWS: Enology (Certificate of Achievement) 241
AGWS: Wine Marketing and Sales (AS) 110
AGWS: Wine Marketing and Sales (Certificate of Achievement) 242
Airforce Reserve Officer Training Corps (AFROTC) 26
American Sign Language (ASL) 401
AMT: CNC Machining II Tech (Certificate of Achievement) 243
AMT: Machine Tool Tech (Skills Certificate) 243
Anatomy (ANAT) 401
Animal Science (ANSC) 402
Announcement of Courses 384
Anthropology (AA) 111
Anthropology (AA-T) 112
Anthropology (ANTH) 403
Application for Admission 21
Applied Technology (APTE) 404
Apprenticeship Education (APED) 406
Apprenticeship: Roofing (Skills Certificate) 244
Architecture (ARCH) 409
Architecture (AS) 113
ArlRmotSnsng&Photogrammtry (AS) 114
ArlRmotSnsng&Photogrammtry (Certificate of Achievement) 245
Art (AA) 114
Art (ART) 410

Art History (AA-T) ... 115
Art History (ARTH) ... 413
Art: Applied Photography (Certificate of Achievement) ... 246
Arts Education Assistant (Certificate of Achievement) ... 247
Assessment ... 26
Associate Degree for Transfer ... 84
Associate in Arts and Associate in Science Degrees ... 84
Astronomy (ASTR) ... 414
Athletics (ATHL) ... 415
Attendance Requirements ... 36
Auditing Classes ... 26
Automation Fundamentals (Skills Certificate) ... 248
Automotive Brakes and Chassis (Certificate of Achievement) ... 249
Automotive Diagnostic Tech (Certificate of Achievement) ... 250
Automotive Diagnostics (AS) ... 117
Automotive Fundamental (Certificate of Achievement) ... 251
Automotive MLR Tech (Certificate of Achievement) ... 252
Automotive Technology (AS) ... 118
Automotive Transmission (Certificate of Achievement) ... 253
Autonomous Vehicle (Certificate of Achievement) ... 254

B

B. Robert Burdo Culinary Arts Center ... 18
Background Investigation (Skills Certificate) ... 255
Basic Academic Skills (Certificate of Completion) ... 256
Basic Arrhythmia Recognition (Skills Certificate) ... 257
Basic Police Officer Academy (Certificate of Achievement) ... 258
Bear Cub Hub ... 27
Behavioral Science (BEHS) ... 418
Biology (AS) ... 120
Biology (AS-T) ... 120
Biology (BIO) ... 418
Board of Trustees ... 563
Bookstores ... 64
Botany (BTNY) ... 420
Business Administration 2.0 (AS-T) ... 121
Business Administration (BAD) ... 420
Business Bookkeeping (BBK) ... 422
Business General (BGN) ... 422
Business Management (BMG) ... 423
Business Marketing (BMK) ... 424
Business Office Technology (BOT) ... 425
Business: Accountant Assistant (Certificate of Achievement) ... 259
Business: Accounting (AS) ... 122
Business: Banking and Lending (Certificate of Achievement) ... 261
Business: Bookkeeper (Certificate of Achievement) ... 262
Business: Enrolled Agent (Tax) (Certificate of Achievement) ... 263
Business: Entrepreneurship (Certificate of Achievement) ... 264
Business: Human Resources (AA) ... 123
Business: Human Resources (Certificate of Achievement) ... 264
Business: Management (Certificate of Achievement) ... 265
Business: Marketing (Certificate of Achievement) ... 266
Business: Real Estate (AA) ... 124
Business: Real Estate (Certificate of Achievement) ... 267
Business: Real Estate Sales (Skills Certificate) ... 268
Business:Account Clerk/Payroll (Certificate of Achievement) ... 258

C

C-ID Course Identification Numbering System ... 384
CA: Baking and Pastry (Certificate of Achievement) ... 269
CA: Culinary Arts & Rest. Ops. (AA) ... 124
CA: Culinary Arts (Certificate of Achievement) ... 270
CA: Restaurant Operations (Certificate of Achievement) ... 271
Cal-GETC GE Pattern (Certificate of Achievement) ... 272
CalWORKs ... 65
Campus Crime Reporting and Campus Security Act (Clery Act) ... 37
Campus Tours ... 65
Career Hub ... 65
Catalog Rights for Certificates ... 100
Catalog Rights For Majors ... 86
Certificate Requirements ... 99
Certificates ... 216
Certificates in the Credit Program ... 98
Certificates in the Non-Credit Program ... 99
Certified Nurse Assistant (Skills Certificate) ... 273
Changes in Requirements ... 37
Chemistry (AS) ... 126
Chemistry (CHEM) ... 425
Child Dev: Assoc Teacher (Skills Certificate) ... 274
Child Development (AA) ... 127
Child Development (CDEV) ... 427
Child Development (CHLD) ... 427
Child Development: Teacher (Certificate of Achievement) ... 275
Children's Center ... 65
Chinese (CHIN) ... 430
Civil & Surveying Technology (CEST) ... 431

Civil Engineering Technology (AS) 128
Civil Engineering Technology (Certificate of Achievement) 276
Classified Staff 563
College Community 64
College Skills (CSKL) 431
Commercial Music (AA) 129
Commercial Music (Certificate of Achievement) 278
Communication Studies 2.0 (AA-T) 130
Communication Studies (COMM) 433
Community Engagement 66
Computer Studies (CS) 435
Construction Management Tech (CONS) 443
Constructn Managmnt Fundamntls (AS) 131
Constructn Managmnt Fundamntls (Certificate of Achievement) 279
Continuing Education 27
Continuous Enrollment 86
Copyright Policy 37
Corrections Officer Core (Skills Certificate) 280
Counseling (COUN) 443
Counseling Services 66
Course Numbering 384
Course Registration and Add Codes 27
Course Symbols 385
Courses by Subject Code 386
Coursework Requirements and the Major 98
Credit for Prior Learning 37
CS Adobe Apps Specialist (Certificate of Achievement) 281
CS Adobe Illustrator Cert (Skills Certificate) 281
CS Adobe InDesign Cert (Skills Certificate) 282
CS Adobe Photoshop Entry (Skills Certificate) 283
CS Adv Virtual Production RVPA (Certificate of Achievement) 284
CS Applied Drone Operation (Certificate of Achievement) 285
CS Cisco CCNA Cert (Skills Certificate) 286
CS Computer Science (AS) 132
CS Cybersecurity (AS) 132
CS Cybersecurity (Certificate of Achievement) 287
CS Drone Certification (Skills Certificate) 288
CS Game Development (AS) 133
CS Game Development (Certificate of Achievement) 288
CS Graphic Design (AA) 134
CS Graphic Design (Certificate of Achievement) 289
CS IT Support (Certificate of Achievement) 291
CS Linux Administration (Skills Certificate) 292
CS Linux Essentials (Skills Certificate) 292
CS Microsoft Excel (Skills Certificate) 293
CS Microsoft Word (Skills Certificate) 294
CS NC Virtual Prod Fundamental (Certificate of Completion) 295
CS Virtual Prod Fundamental (Certificate of Achievement) 296
CS Virtual Production RVPA (AA) 135
CS Web and Mobile Front-End NC (Certificate of Completion) 297
CS Web and Mobile Front-End (Skills Certificate) 296
CS Web and Mobile Full-Stack (Certificate of Achievement) 298
CS Web and Multimedia (AA) 136
CS Web and Multimedia (Certificate of Achievement) 299
CS Web Full-Stack Developer (AS) 137
Culinary Arts (CUL) 444
Current and Past GE Patterns 97

D

Dance (AA) 138
Dance (DANC) 451
Dance: Choreography and Perfor (Skills Certificate) 300
Dance: Foundations (Skills Certificate) 301
Degree Honors 86
Degree, Major, and Certificate Programs 84
Degree Requirements 85
Dental Assisting (Certificate of Achievement) 302
Dental Edu (Assist & Hygiene) (DE) 458
Dental Education - Assisting (DA) 458
Dental Education - Hygiene (DH) 459
Dental Hygiene (AS) 139
Dental Hygiene Clinic 66
Dietary Manager (Certificate of Achievement) 303
Dietetic Technology (DIET) 461
Directory Information 40
Disability Resources Department 67
Disability Resources Departmnt (DRD) 462
Disability Studies (DSS) 463
Disclaimer 13
Distance Education and Online Learning at SRJC 67
District Police 68
District Policies and Procedures 40
District Regulations 40
DM: 3D Modeling & Animation (AS) 140
DM: 3D Modeling & Animation (Certificate of Achievement) 304

Dream Center ... 68

E

Early Childhood Education (AS-T) ... 141
Earth and Space Science (ERTH) ... 463
Economics (AA-T) ... 142
Economics (ECON) ... 464
Education (EDU) ... 464
Education (EDUC) ... 465
Educational Leaves & Students in the Military ... 42
Educator Development (Certificate of Achievement) ... 305
Electrical Union Apprentice (AS) ... 143
Electrical Union Apprentice (Certificate of Achievement) ... 306
Electronic Technolgy Fundmntls (Skills Certificate) ... 307
Electronic Technology (ELEC) ... 465
Elementary Teacher Education: Integrated Programs (AA-T) ... 144
Emergency Medical Care (EMC) ... 466
Emergency Medical Responder (Skills Certificate) ... 308
Emergency Medical Technician (Skills Certificate) ... 309
EMLS Credit: Advanced (Certificate of Achievement) ... 310
EMLS Credit: Intermediate (Certificate of Achievement) ... 310
EMLS NC: Basic Communication (Certificate of Completion) ... 311
EMLS NC: College & Career Prep (Certificate of Completion) ... 312
EMLS NC: Intermediate (Certificate of Completion) ... 313
EMLS NC: Literacy Foundations (Certificate of Completion) ... 314
EMT Refresher (Skills Certificate) ... 315
Engine Machining (Certificate of Achievement) ... 316
Engine Machining (Skills Certificate) ... 317
Engineering (AS) ... 145
Engineering (ENGR) ... 469
English (AA-T) ... 145
English (ENGL) ... 470
English for Multilingual Students (EMLS) ... 473
Entrepreneurship (ESHP) ... 478
Environmental Science (ENVS) ... 478
Environmental Studies (AA) ... 146
Environmental Technology (ENST) ... 479
Equine Science (EQSC) ... 479
Ethnic Studies (ETHS) ... 479
Extended Opportunity Program and Services (EOPS) ... 68

F

Faculty ... 563
Faculty Members' Obligation to Student ... 43
Family Educational Rights and Privacy Act of 1974 (FERPA) ... 44
Fashion Design (AA) ... 148
Fashion Design (Certificate of Achievement) ... 317
Fashion (FASH) ... 480
Fashion Fundamentals (Certificate of Achievement) ... 318
Fee Schedule and Information ... 27
Film & Media Arts Production (Certificate of Achievement) ... 319
Film and Media Arts (FMA) ... 481
Film Studies (AA) ... 149
Film, Television, & Electronic Media (AS-T) ... 149
Financial Aid ... 69
Fire Science - Company Officer (AS) ... 150
Fire Science - Company Officer (Certificate of Achievement) ... 320
Fire Technology (AS) ... 151
Fire Technology (Certificate of Achievement) ... 321
Fire Technology (FIRE) ... 483
Firefighter Academy (Certificate of Achievement) ... 322
Fitness and Health Coach (AA) ... 152
Fitness and Health Coach (Certificate of Achievement) ... 323
Floral Design (AA) ... 153
Floral Design (Certificate of Achievement) ... 324
Floristry (FLOR) ... 488
Foods and Nutrition (FDNT) ... 488
Forensics Team ... 70
Foster Youth Programs ... 70
French (AA) ... 154
French (FREN) ... 489

G

Gallery and Museum ... 70
Gender Equity ... 44
General Education Statement of Philosophy ... 85
General Education- 2026-27 Cal-GETC GE ... 87
General Education- 2026-27 SRJC Associate Degree Graduation Requirements (Local GE) ... 91
Geographic Information Systems (GIS) ... 489
Geography (GEOG) ... 490
Geology (GEOL) ... 490
German (GERM) ... 491
Grade Changes ... 44
Grade Point Average (GPA) ... 44
Grade Reports ... 45
Grading Policy ... 45

Graphic Design (GD) 492

H

Health Care (HLC) 493
Health Education (HLE) 493
Health Sciences 71
Heatng, Ventilatn, AC & Refrig (HVAC) 493
Hemp Agriculture (AS) 155
Hemp Agriculture (Certificate of Achievement) 325
High School Career Pathways to SRJC 71
High School Dual Enrollment During Bell Schedule (CCAP) 22
High School Dual Enrollment Students 21
High School Equivalency Program (HEP) 71
Hispanic Serving Institution 71
History (AA-T) 156
History (HIST) 494
History of Sonoma County Junior College District 13
Honor Societies 71
Hope Program 72
Horticulture (HORT) 496
Hospitality (HOSP) 497
Hospitality Management (AS-T) 157
Hospitality Management (Certificate of Achievement) 326
Human Resources (HR) 498
Humanities (AA) 158
Humanities (HUM) 499
HVAC Refrigeration Apprentice (AS) 160
HVACR Fundamentals (AS) 161
HVACR Fundamentals (Certificate of Achievement) 327

I

Independent Study Courses (Courses numbered 49 and 98) 29
IndustrlMaintenanceFundamntals (Skills Certificate) 328
Institutional Learning Outcomes 14
Intercollegiate Athletics 73
Interdisciplinary Studies (INTD) 500
Interior Design (AA) 162
Interior Design (Certificate of Achievement) 329
Interior Design (INDE) 500
Interior Design: Fundamentals (Certificate of Achievement) 330
Interior Design: Technical (Certificate of Achievement) 330
International Students in F-1 Visa Status 22
Italian (ITAL) 501

J

Japanese (JAPN) 502
Job Development 73
Journalism (AA-T) 162
Journalism (JOUR) 502
Journalism: Digital (AS) 163
Journalism: Digital (Certificate of Achievement) 331
Juvenile Justice (Certificate of Achievement) 332

K

Kines: Sports Medicine Prep (AA) 164
Kinesiology (AA) 165
Kinesiology (AA-T) 167
Kinesiology Aquatics (KINA) 507
Kinesiology Combative (KINC) 508
Kinesiology Fitness (KFIT) 509
Kinesiology Individual Sports (KINI) 513
Kinesiology (KIN) 503
Kinesiology Team Sports (KINT) 514

L

Land Acknowledgement Statement 15
Latin American Studies (AA) 170
Law Enforcement (Certificate of Achievement) 333
Law Enforcement Supervisor (Skills Certificate) 335
Learning Communities at SRJC 73
Library & Information Resource (LIR) 515
Library and Media Services 74
Lifelong Learning 74
Lifelong Learning (LL) 515
Lumafest 74

M

Major Requirements 97
Majors 101
Mathematics (AS) 170
Mathematics (AS-T) 171
Mathematics, Engineering, Science Achievement (MESA) Program 74
Mathematics (MATH) 516
Mchtroncs:IndustrlMntnncTchncn (AS) 172
Mchtroncs:IndustrlMntnncTchncn (Certificate of Achievement) 335
Mechatronics Fundamentals (Skills Certificate) 336
Mechatronics Technician (AS) 172
Mechatronics Technician (Certificate of Achievement) 337

Medical Assisting (AS) ... 173
Medical Assisting (Certificate of Achievement) ... 338
Medical Assisting (MA) ... 519
Medium Heavy Truck Technology (AS) ... 174
Medium Heavy Truck Technology (Certificate of Achievement) ... 339
Meteorology (MTER) ... 520
MHT Chassis Tech (Certificate of Achievement) ... 340
MHT Diagnostic Tech (Certificate of Achievement) ... 341
MHT Foundation Tech (Certificate of Achievement) ... 343
Microbiology (MICR) ... 520
Multiple and Overlapping Enrollments ... 48
Multiple Majors ... 98
Music (AA) ... 175
Music (AA-T) ... 177
Music (MUSC) ... 521
Music Practicum & Performance (MUSP) ... 524

N

Native American Studies (AA) ... 178
Natural Resources (AS) ... 179
Natural Resources (Certificate of Achievement) ... 344
Natural Resources (NRM) ... 528
Natural Sciences (AS) ... 180
Non-Discrimination Statement ... 15
Nursing - RN (NR) ... 530
Nursing ADN (AS) ... 182
Nursing- Aide (NRA) ... 531
Nutrition & Dietetics (AA) ... 183
Nutrition and Dietetics (AS-T) ... 184

O

Open Classes ... 30
Our House Intercultural Center (SRJC Petaluma) ... 75

P

Paralegal Studies (AA) ... 185
Paralegal Studies (Certificate of Achievement) ... 345
Paralegal Studies (PLS) ... 531
Paramedic (AS) ... 186
Paramedic (Certificate of Achievement) ... 346
PC 832 Arrest (Skills Certificate) ... 347
Peer Assisted Learning Specialist (PALS) Program ... 75
Performing Arts ... 75
Petaluma Campus ... 16
Petaluma Film Alliance ... 75
Petition for Waiver of College Regulations ... 30
Pharmacy Technician (AS) ... 187
Pharmacy Technician (Certificate of Achievement) ... 348
Pharmacy Technician (PHT) ... 533
Philosophy (AA) ... 188
Philosophy (AA-T) ... 189
Philosophy (PHIL) ... 534
Physical Science (PHSC) ... 535
Physics (AS) ... 190
Physics (AS-T) ... 191
Physics (PHYS) ... 535
Physiology (PHYZ) ... 536
Pilates Apparatus Instructor (Certificate of Achievement) ... 349
Pilates Comprehensive Instruct (Certificate of Achievement) ... 350
Pilates Mat Instructor (Certificate of Achievement) ... 351
Pilates Reformer Instructor (Certificate of Achievement) ... 352
Piner Early College Magnet Program ... 75
Plumbing & HVAC Apprentice (Certificate of Achievement) ... 352
Plumbing & Pipe Fit Apprentice (Certificate of Achievement) ... 353
Political Science (AA) ... 191
Political Science (AA-T) ... 192
Political Science (POLS) ... 536
Pre-Allied Health (AS) ... 193
Pre-Veterinary Studies (AS) ... 194
Prerequisites, Corequisites, and Advisories ... 385
President's Message ... 10
Probation, Dismissal, Readmission, and Renewal ... 49
Psychology (AA) ... 195
Psychology (AA-T) ... 196
Psychology (PSYC) ... 537
Public Safety Dispatcher (Skills Certificate) ... 354
Public Safety Training Center ... 17
Puente Project ... 76

R

Radiologic Technology (AS) ... 197
Radiologic Technology (Certificate of Achievement) ... 355
Radiologic Technology (RADT) ... 539
Real Estate (RE) ... 541
Refunds ... 30
Registration Priority ... 30
Reinstatement in a Class ... 30
Religious Studies (AA) ... 198

Religious Studies (RELS) 542
Remedial Coursework Unit Limitation 31
Renewable Energy (REEN) 543
Repetition of Courses 50
Residency Requirements 31
Residential Elect. Apprentice (Certificate of Achievement) 357
Rights, Responsibilities, Policies and Regulations 34

S

Santa Rosa Campus 16
Santa Rosa Junior College Foundation 83
Schedule of Classes 33
Scholarships 83
Scholarships and Awards 83
Shone Farm 18
Signal Technician (AS) 199
Signal Technician (Certificate of Achievement) 358
Social and Behavioral Sciences (AA) 200
Social Justice Studies (AA-T) 201
Social Science (SOCS) 544
Social Work and Human Services (AA-T) 203
Social Work/Human Services (SWHS) 544
Sociology (AA-T) 204
Sociology (SOC) 545
Sociology (SOCI) 546
Spanish (AA) 205
Spanish (AA-T) 206
Spanish (SPAN) 546
Special Education (SE) 547
SRJC District Sustainability Committee 76
SRJC Local GE (AA/AS) Pattern (Certificate of Achievement) 359
SRJC Roseland 19
Staff Directory 563
Statistics (STAT) 547
Student Affairs 76
Student Classification 33
Student Complaint/Grievance 51
Student Conduct and Discipline Due Process 54
Student Employment 78
Student Equity 59
Student Health Services 78
Student Housing 79
Student Load 33
Student Obligations and Responsibilities 59
Student Publications 79
Student Right to Know 59
Student Success and Support Program 60
Studio Arts (AA-T) 207
Study Abroad 79
Success Team (SRJC Petaluma) 79
Surveying (SURV) 548
Surveying Technology (AS) 208
Surveying Technology (Certificate of Achievement) 359
Sustainable Agriculture (AS) 209
Sustainable Agriculture (Certificate of Achievement) 361
Sustainable Agriculture (SUAG) 548
SWHS: Addiction Studies (AA) 210
SWHS: Addiction Studies (Certificate of Achievement) 362
SWHS: Advocacy (AA) 211
SWHS: Advocacy (Certificate of Achievement) 363
SWHS: Recovery & Acad Success (Skills Certificate) 364

T

Taxpayer Relief Act of 1997 (Education Tax Credit) 61
Technical Theatre Foundations (Certificate of Achievement) 365
Term Effective and the Certificate 100
Term Effective and the Major 98
THAR: Theatre Mgmt (Certificate of Achievement) 366
The Benefits of Attending SRJC 20
The Career Education Major and Selection Processes 98
The Career Education Major and the Certificate of Achievement 98
The Certificate of Achievement and Selection Processes 99
The Certificate of Achievement and the Major (degree program) 99
The SRJC Major and Transfer 98
Theatre Arts (AA) 212
Theatre Arts (AA-T) 213
Theatre Arts (THAR) 549
Theatre Arts: Acting (Certificate of Achievement) 368
Theatre Arts: Costuming (Certificate of Achievement) 369
Theatre Arts: Makeup Design (Certificate of Achievement) 371
Theatre Arts: Stagecraft (Certificate of Achievement) 372
Title IX: Sexual Misconduct Prevention & Response 62
Transcripts 62
Transfer Center 79
Transfer Credit Evaluation 86
Tutorial Center 81

U

Unit Defined 33
Unit Limitations 33
Unlawful Discrimination and Sexual Harassment 62

V

Verifications 62
Veterans' Benefits 81
Veterinary Tech (VETT) 554
Veterinary Technician (Certificate of Achievement) 374
Vision, Mission Statement, Values 14
Viticulture (VIT) 555
Vocational Education (VE) 557

W

Wait Lists 63
Waste Water Treatment (WWTR) 557
Wastewater Operator (Skills Certificate) 375
Wastewater Treatment Operatns (AS) 214
Wastewater Treatment Operatns (Certificate of Achievement) 375
Water Distribution (Skills Certificate) 376
Water Treatment (Skills Certificate) 377
Water Treatment (WTR) 558
Water Utility Operations (Certificate of Achievement) 378
Welcome & Connect Center 82
Weld: Flux Cored Arc: FCAW (Certificate of Achievement) 378
Weld: Gas Metal Arc: GMAW (Certificate of Achievement) 379
Weld: Gas Tungsten Arc: GTAW (Certificate of Achievement) 380
Weld: Shielded Metal Arc: SMAW (Certificate of Achievement) 381
Welding Technology (AS) 214
Welding Technology (Certificate of Achievement) 382
Welding (WELD) 558
Wine Studies (WINE) 559
Work Experience 82
Work Experience - Occupational (WEOC) 562
Work Experience Education (WEE) 561
Work/Study Loads 33

Y

Yoga: 200-Hour Teacher Train (Skills Certificate) 383