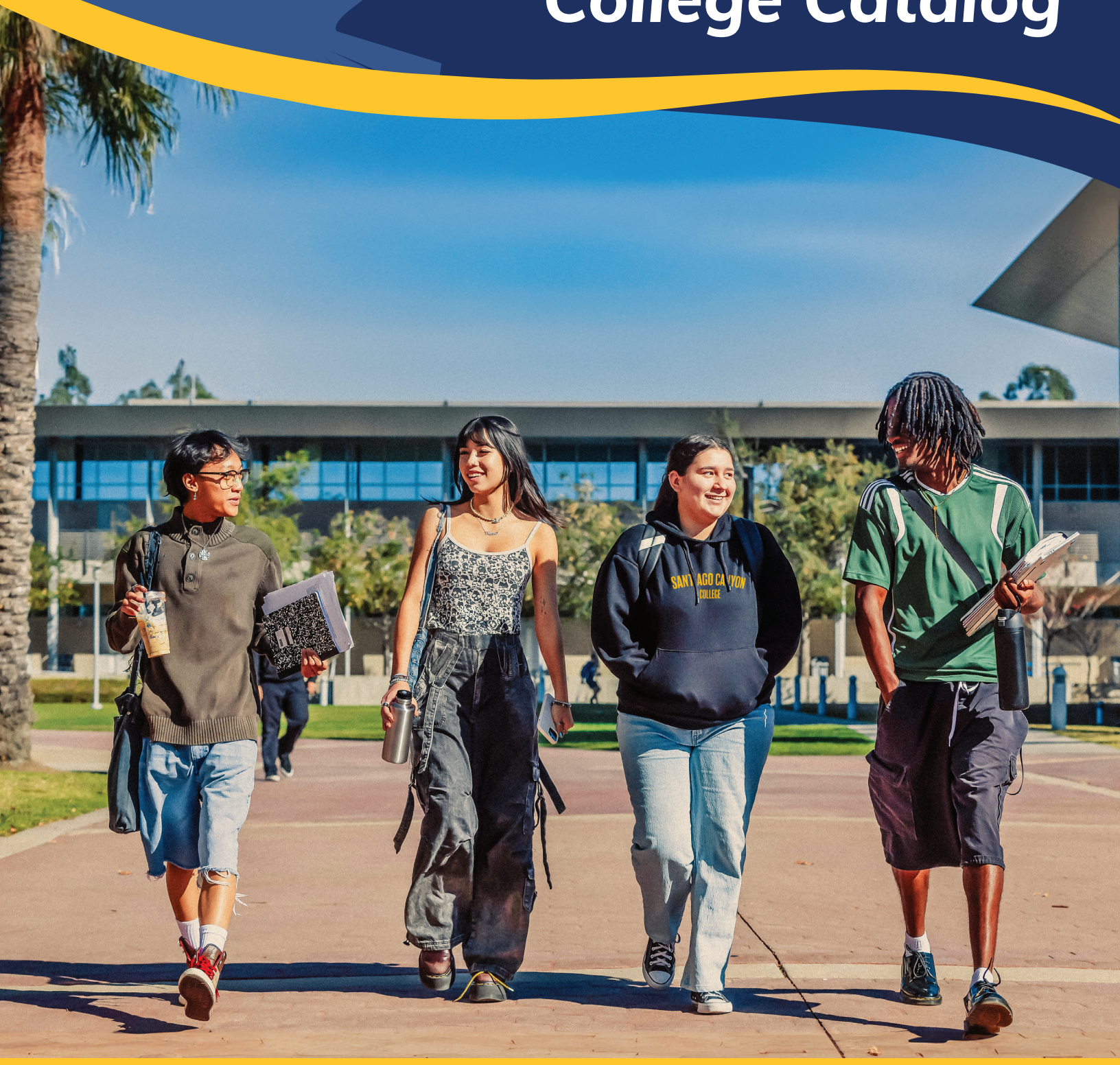
# 2026 • 2027
# College Catalog



Santiago Canyon College

*What happens here matters.*

# CONTENTS


MESSAGE TO STUDENTS, MISSION STATEMENT, LEARNING OUTCOMES, AND RSCCD INFORMATION . . . . . 5

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT INFORMATION . . . . . 6-9

ADMISSIONS & RECORDS . . . . . 10

ADMISSION REQUIREMENTS . . . . . 11-15

COLLEGE POLICIES AND PROCEDURES . . . . . 16-31

STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES . . . . . 32-38

STUDENT LIFE AND LEADERSHIP . . . . . 39-40

FINANCIAL AID AND SCHOLARSHIPS . . . . . 41-42

EDUCATIONAL OPTIONS . . . . . 43-44

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS AT SANTIAGO CANYON COLLEGE (SCC) . . . . . 45

ASSOCIATE DEGREE GENERAL EDUCATION PHILOSOPHY • 2026–2027 . . . . . 46-47

ASSOCIATE DEGREE REQUIREMENTS • 2026–2027 . . . . . 48

PLAN 1: ASSOCIATE IN ARTS GENERAL EDUCATION PATTERN • 2026–2027 . . . . . 49-50

PLAN 2: CALIFORNIA GENERAL EDUCATION TRANSFER CURRICULUM (CAL-GETC) • 2026–2027 . . . . . 51-52

PLAN 3: ASSOCIATE IN SCIENCE GENERAL EDUCATION PATTERN • 2026–2027 . . . . . 53-54

TRANSFER TO OTHER COLLEGES . . . . . 55-58

ASSOCIATE IN ARTS FOR TRANSFER (A.A.-T) OR ASSOCIATE IN SCIENCE FOR TRANSFER (A.S.-T) DEGREE REQUIREMENTS • 2026–2027 . . . . . 59

UNIVERSITY OF CALIFORNIA AND SANTIAGO CANYON COLLEGE TRASNFER COURSE AGREEMENT • 2026–2027 . . . . . 60-61

ADVANCED PLACEMENT (AP) GUIDE AND POLICIES • 2026–2027 . . . . . 62-65

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) PLACEMENT GUIDE AND POLICIES • 2026–2027 . . . . . 66-68

INTERNATIONAL BACCALAUREATE (IB) EXAMINATION GUIDE AND POLICIES • 2026–2027 . . . . . 69-71

SCC ACADEMIC PROGRAMS . . . . . 72

COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID) . . . . . 73-75

FORMER COURSE TITLES . . . . . 76

CONTINUING EDUCATION INFORMATION . . . . . 77-80

CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS . . . . 81-83


# CREDIT PROGRAMS


ACCOUNTING . . . . . 84-85

AMERICAN COLLEGE ENGLISH . . . . . 85

AMERICAN SIGN LANGUAGE . . . . . 85

ANTHROPOLOGY . . . . . 86-87

ART87-88

ASTRONOMY . . . . . 88-89

BIOLOGY . . . . . 89-91

BUSINESS . . . . . 91-93

CHEMISTRY . . . . . 93

CHILD DEVELOPMENT . . . . . 93-95

COMMUNICATION . . . . . 95-96

COMPUTER INFORMATION SYSTEMS . . . . . 97-98

COMPUTER SCIENCE . . . . . 98-99

COSMETOLOGY . . . . . 99

COUNSELING . . . . . 99-109

CRIMINAL JUSTICE . . . . . 109

EARTH SCIENCE . . . . . 109-110

ECONOMICS . . . . . 110

EDUCATION . . . . . 111-113

ELECTRICIAN . . . . . 113

ELECTRONICS TECHNOLOGY . . . . . 113

ENGLISH . . . . . 113-114

ETHNICS STUDIES . . . . . 114-115

GEMOLOGY . . . . . 115

GENDER, SEXUALITY, AND WOMEN'S STUDIES . . . . . 115-116

GEOGRAPHY AND THE ENVIRONMENT . . . . . 116

GEOLOGY . . . . . 116

HISTORY . . . . . 117

KINESIOLOGY . . . . . 118-122

MANAGEMENT . . . . . 122-124

MARKETING . . . . . 124-125

MATHEMATICS . . . . . 125-126

MODERN LANGUAGES . . . . . 126-127

MUSIC . . . . . 127

NUTRITION AND FOOD . . . . . 127-128

PHILOSOPHY . . . . . 128

PHYSICS . . . . . 128

POLITICAL SCIENCE . . . . . 128-129

PSYCHOLOGY . . . . . 129-130

HEALTH . . . . . 130

PUBLIC WORKS . . . . . 130-134

REAL ESTATE . . . . . 134-135

SOCIOLOGY . . . . . 135-139

SPANISH . . . . . 139-140

WATER AND WASTEWATER TECHNOLOGY . . . . . 140-143


# CREDIT COURSES


ACCOUNTING . . . . . 144-145

AMERICAN COLLEGE ENGLISH . . . . . 145

AMERICAN SIGN LANUAGE . . . . . 145-146

ANTHROPOLOGY . . . . . 146-147

ART147-151

ASTRONOMY . . . . . 151

BIOLOGY . . . . . 152-157

BUSINESS . . . . . 157-159

CHEMISTRY . . . . . 159-160

CHILD DEVELOPMENT . . . . . 160-167

CHINESE . . . . . 167

CINEMA STUDIES . . . . . 167-169

COMMUNICATION . . . . . 169-171

COMPUTER INFORMATION SYSTEMS . . . . . 171-173

COMPUTER SCIENCE . . . . . 173-175

COSMETOLOGY . . . . . 175

COUNSELING . . . . . 175-178

CRIMINAL JUSTICE . . . . . 178-179

DANCE . . . . . 179-181

EARTH SCIENCES . . . . . 181-184

ECONOMICS . . . . . 184

EDUCATION . . . . . 184-186

ELECTRICIAN . . . . . 186-189

ELECTRONICS TECHNOLOGY . . . . . 189
EMERGENCY MEDICAL TECHNICIAN . . . . . 189
ENGINEERING . . . . . 190
ENGLISH . . . . . 190-194
ETHNIC STUDIES . . . . . 194-195
FRENCH. . . . . 195
GEMOLOGY . . . . . 196
GENDER, SEXUALITY, AND WOMEN'S STUDIES . . . . . 196-197
GEOGRAPHY AND THE ENVIRONMENT . . . . . 197-199
HISTORY . . . . . 199-202
INFORMATION STUDIES . . . . . 202-203
INTERDISCIPLINARY STUDIES . . . . . 203
ITALIAN . . . . . 203-204
KINESIOLOGY . . . . . 204--205
KINESIOLOGY - INTERCOLLEGIATE ATHLETICS . . . . . 205-208
KINESIOLOGY - PHYSICAL EDUCATION . . . . . 208-211
MANAGEMENT. . . . . 211
MARKETING . . . . . 211--212
MATHEMATICS . . . . . 212-217
MUSIC. . . . . 218-223
NUTRITION AND FOOD . . . . . 223
PHILOSOPHY . . . . . 223-225
PHYSICAL SCIENCE. . . . . 225
PHYSICS . . . . . 225-226
POLITICAL SCIENCE . . . . . 226-227
PSYCHOLOGY . . . . . 227-230
PUBLIC ADMINSTRATION AND SERVICES. . . . . 230-232
PUBLIC AND ENVIRONMENTAL HEALTH . . . . . 232
PUBLIC WORKS. . . . . 232-237
READING . . . . . 237-239
REAL ESTATE . . . . . 239-242
SOCIOLOGY . . . . . 242-244
SPANISH . . . . . 244-247
SURVEY/MAPPING SCIENCES . . . . . 247-248
THEATER ARTS . . . . . 248-250
WATER & WASTEWATER TECHNOLOGY. . . . . 250-254

# NONCREDIT PROGRAMS

ADULT BASIC EDUCATION . . . . . 255
ADULTS WITH SPECIAL NEEDS . . . . . 255-257
CUSTODIAL TECHNICIAN . . . . . 257
ESL INTEGRATED . . . . . 257-259
ESL SPEAKING . . . . . 259
ESL WRITING . . . . . 259
FOOD PROCESSING & RELATED TECHNOLOGY . . . . . 259-260
HS DIPLOMA PROG./GED . . . . . 260-264
OFFICE TECHNOLOGY/COMPUTER APPLICATIONS . . . . . 264-266
PROTECTIVE SERVICES. . . . . 266
VOCATIONAL CLOTHING-OECIE. . . . . 266
VOCATIONAL CONSTRUCTION CARPENTER-OECIE . . . . . 267
VOCATIONAL CONSTRUCTION LABORER-OECIE . . . . . 267
VOCATIONAL ENERGY CONSTRUCTION AND UTILITIES . . . . . 267
VOCATIONAL MEDICAL . . . . . 267
VOCATIONAL CONSTRUCTION REAL ESTATE . . . . . 269-270
VOCATIONAL . . . . . 270

# NONCREDIT COURSES

ADULT BASIC EDUCATION . . . . . 271
ADULTS WITH SPECIAL NEEDS . . . . . 271-274
CHILD DEVELOPMENT/EARLY CARE EDUCATION . . . . . 275
COUNSELING & GUIDANCE . . . . . 275
CUSTODIAL TECHNICIAN . . . . . 275
ESL INTEGRATED . . . . . 275-277
ESL SPEAKING . . . . . 277-278
ESL WRITING . . . . . 278
FOOD PROCESSING & RELATED TECHNOLOGY . . . . . 278
GERENTOLOGY. . . . . 278-280
HEALTH EDUCATION . . . . . 280-281
HIGH SCHOOL DIPLOMA/GED. . . . . 281-291
INMATE EDUCATION . . . . . 291
LEARNING SKILLS HANDICAP . . . . . 291
OFFICE TECHNOLOGY/COMPUTER APPLICATIONS . . . . . 292-296
VOCATIONAL DOG TRAINING . . . . . 296
VOCATIONAL PHOTOGRAPHY. . . . . 296
VOCATIONAL WAREHOUSE . . . . . 296
PROTECTIVE SERVICES. . . . . 296
VOCATIONAL PROTECTIVE SERVICES. . . . . 296
VOCATIONAL CLOTHING-OECIE. . . . . 297
VOCATIONAL CARPENTER-OECIE . . . . . 297
VOCATIONAL CONSTRUCTION AND UTILITIES . . . . . 297-298
VOCATIONAL MEDICAL . . . . . 298-308
VOCATIONAL REAL ESTATE . . . . . 308-310
VOCATIONAL. . . . . 310-313

# APPRENTICESHIP PROGRAMS

CARPENTRY - APPRENTICESHIP . . . . . 314-322
CHILD DEVELOPMENT - APPRENTICESHIP . . . . . 322
COSMOTOLOGY - APPRENTICESHIP . . . . . 323
ELECTRICIAN - APPRENTICESHIP . . . . . 323-325
MAINTENANCE MECHANIC - APPRENTICESHIP . . . . . 325
OPERATING ENGINEERS - APPRENTICESHIP . . . . . 326-328
POWER LINEMAN - APPRENTICESHIP. . . . . 328
SURVEY/MAPPING SCIENCES - APPRENTICESHIP . . . . . 328-329
SURVEYING - APPRENTICESHIP . . . . . 329

# APPRENTICESHIP COURSES

CARPENTRY - APPRENTICESHIP . . . . . 330-352
CHILD DEVELOPMENT - APPRENTICESHIP . . . . . 352-353
COSMOTOLOGY - APPRENTICESHIP . . . . . 353-354
ELECTRICIAN - APPRENTICESHIP . . . . . 354-357
MAINTENANCE MECHANIC - APPRENTICESHIP . . . . . 357-358
OPERATING ENGINEERS - APPRENTICESHIP . . . . . 358-364
POWER LINEMAN - APPRENTICESHIP. . . . . 364-365
SURVEY/MAPPING SCIENCES - APPRENTICESHIP . . . . . 365-366
SURVEYING - APPRENTICESHIP . . . . . 366-369

NOTES . . . . . 370-373

# SANTIAGO CANYON COLLEGE INSTRUCTIONAL CALENDAR

**College Credit Classes 2025-2026 • Instructional Calendar 2025-2026**

### FALL SEMESTER 2025

August 11-14 - Faculty Projects
August 13, 14 - Professional Development Week
August 18 - INSTRUCTION BEGINS
September 1 - Last date to drop with enrollment fee refund and to NOT receive a "W" grade (semester-length courses)
September 1 - Labor Day - Holiday
October 3 - Deadline to submit all Petitions to Graduate
November 9 - Last date to drop semester-length courses with a "W" grade
November 11 - Veteran's Day - Holiday
November 27-29 - Thanksgiving - Holiday
December 7 - Last day to file Pass/ No Pass option
December 7 - INSTRUCTION ENDS
December 8-January 4 - Winter Break

### INTERSESSION 2026

January 5 - INSTRUCTION BEGINS
January 19 - Martin Luther King, Jr. - Holiday
February 1 - Last date to file Pass/No Pass
February 1 - INSTRUCTION ENDS

### SPRING SEMESTER 2026

February 2-5 - Faculty Projects
February 4-5 - Professional Development Week
Feburary 9 - INSTRUCTION BEGINS
February 13 - Lincoln's Birthday - Holiday
February 16 - President's Day oliday
February 22 - Last date to drop with enrollment fee refund and to NOT receive a "W" grade (semester-length courses)
March 13 - Deadline to submit all Petitions to Graduate
March 31 - Cesar Chavez Day - Holiday
April 6-11 - Spring Recess
May 10 - Last date to drop semester-length courses with a "W" grade
May 25 - Memorial Day - Holiday
June 5 - Commencement - Santiago Canyon College
June 7 - Last day to file Pass/No Pass option
June 7 - INSTRUCTION ENDS

### SUMMER SESSION 2026

June 15 - INSTRUCTION BEGINS
June 19 - Juneteenth - Holiday
June 19 - Deadline to submit all Petitions to Graduate
July 3 - Independence Day - Observed Holiday
August 9 - Last date to file Pass/No Pass option
August 9 - INSTRUCTION ENDS

**JUNE 2026**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

**JULY 2026**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

**AUGUST 2026**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

**SEPTEMBER 2026**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

**OCTOBER 2026**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

**NOVEMBER 2026**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 78 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

**DECEMBER 2026**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

**JANUARY 2027**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

**FEBRUARY 2027**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 17 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | | | | | | |

**MARCH 2027**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

**APRIL 2027**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

**MAY 2027**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 89 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

**JUNE 2027**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

**JULY 2027**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

# MESSAGE TO STUDENTS, MISSION STATEMENT, LEARNING OUTCOMES, AND RSCCD INFORMATION

## A Message From The President



Welcome to Santiago Canyon College.

Whether you are just beginning your college journey or continuing toward your goals, I want you to know that you belong here. At SCC, student success is at the heart of everything we do, and we are committed to helping you thrive both inside and outside the classroom.

I encourage you to take advantage of the many resources available to support you. From counseling and tutoring to student organizations, leadership opportunities, and basic needs services, our faculty and staff are here to help you navigate challenges, stay focused, and achieve your educational and career goals.

Santiago Canyon College has built a strong reputation for excellence and are committed to providing high-quality education and creating opportunities for every student to succeed.

What makes SCC special is our people. Each of you brings unique experiences, talents, and aspirations to our campus. Together, we create a community that values learning, support, and personal growth.

As you begin this academic year, stay engaged, ask questions, seek support when you need it, and take advantage of opportunities to get involved. We are here to support you every step of the way.

Thank you for choosing Santiago Canyon College. I look forward to seeing all that you will accomplish, and I am proud to be part of your journey.

Welcome to SCC, and as we like to say, What Happens Here Matters.

**Enrique Perez**

Acting President

Santiago Canyon College

### Mission Statement

Santiago Canyon College is an innovative learning community dedicated to intellectual and personal growth. Our purpose is to foster student success and to help students achieve these core outcomes: to learn, to act, to communicate and to think critically. We are committed to maintaining standards of excellence and providing accessible, transferable, and engaging education to a diverse community.

### Institutional Student Learning Outcomes

To achieve our mission, SCC has identified Institutional Learning Outcomes with four core competencies: Learn, Communicate, Act, and Think. Students will be able to

Learn—About Self and Others, Academic and Professional Issues

- Take responsibility for one's own learning and wellbeing.
- Learn about one's chosen academic major, while creating connections across disciplines.
- Learn about professional conduct, including workplace and community ethics, conflict management, and teamwork. Communicate—With Clarity and Accuracy and in Diverse Environments
- Communicate ideas in a clear and articulate manner.
- Communicate accurately to diverse audiences.
- Communicate in various formats using diverse technologies. Act—With Awareness of Self and the Local and Global Community of Persons Act to maintain one's dignity and self-respect. Act as a responsible community member who treats others with respect, civility, empathy, honesty and dignity.
- Act to increase the wellbeing of the global community by maintaining cultural literacy, lifelong learning, ethical consideration of each other, and the environment we all share. Think—Critically, Creatively, and Reflectively Critically analyze, evaluate, organize and use quantitative and qualitative data to solve problems and develop logical models, hypotheses and beliefs. Creatively use concepts to making learning relevant. Reflectively assess one's values, assumptions, and attitudes.

### Rancho Santiago Community College District

Governed locally by a seven-member Board of Trustees elected by the citizens of the district, Rancho Santiago Community College District (RSCCD) is a part of the California community college system, one of the three segments of the public post-secondary educational systems in the state.

RSCCD, located in central Orange County, encompasses 193 square miles with a population of approximately 770,000. The district's boundaries include all of the K-12 schools within the Orange and Santa Ana Unified School Districts, as well as a portion of the Garden Grove Unified School District. RSCCD's boundaries extend from the eastern portion of the city of Garden Grove, around the perimeters of Santa Ana, Orange, Villa Park, and Anaheim Hills, and east to the Riverside County line.

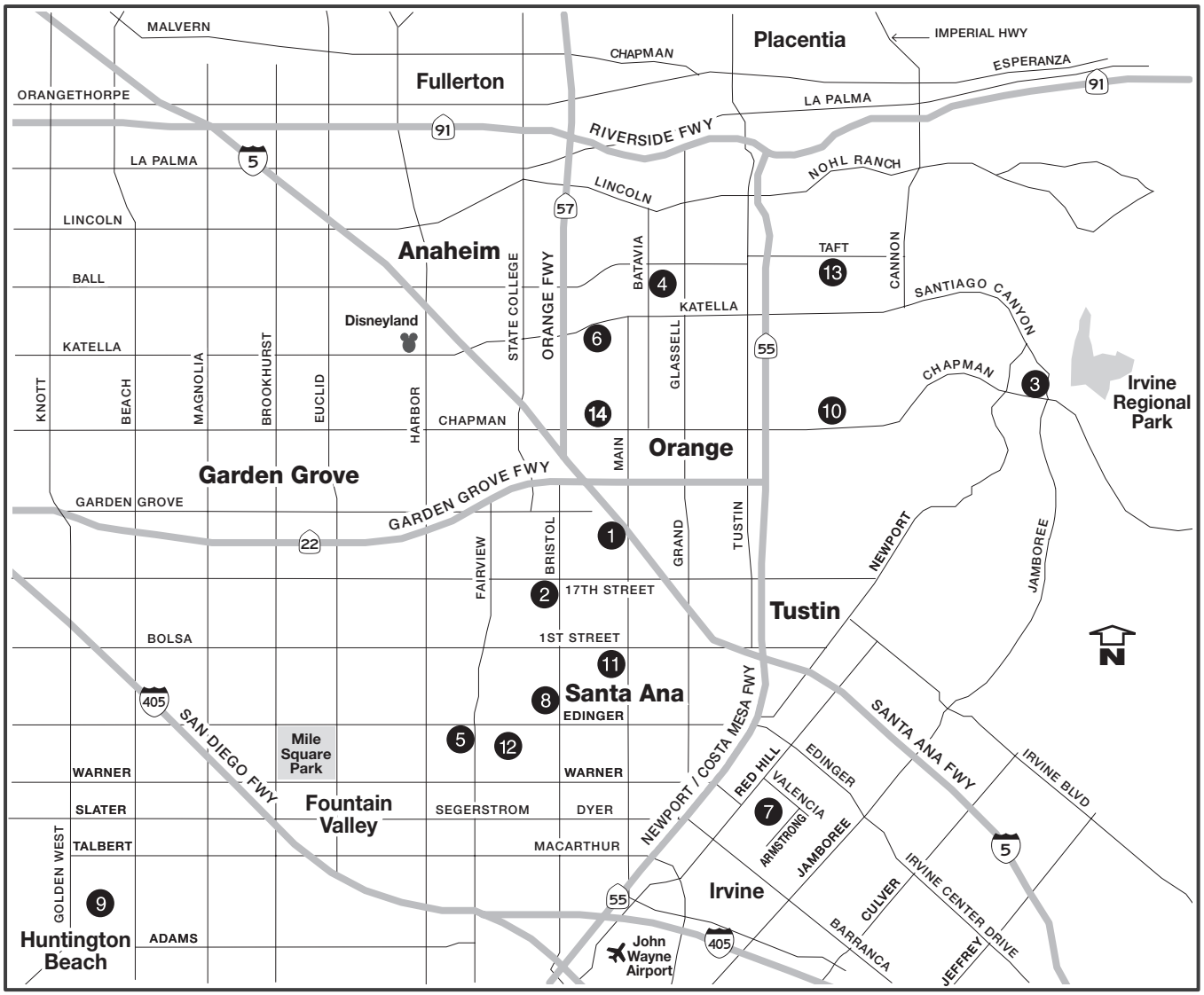
Enrollment in district programs for fall 2018 totaled 52,361 with 39,277 enrolled in college credit courses and 13,084 enrolled in Continuing Education. The Community Services Program serves 1,349 residents districtwide in not for credit, fee-supported classes.

### Santiago Canyon College and Santa Ana College

SCC is among the newest community colleges in California. RSCCD was formed in 1971 to serve the cities of Orange, Villa Park and Anaheim Hills. SCC (formerly the Orange Campus) began offering classes in 1985, and became an independently accredited college in January 2000. Santa Ana College opened in 1915 as an extension of Santa Ana High School, and is the fourth oldest community college in California. Located first on the campus of Santa Ana High School, it moved to downtown Santa Ana, and then to its present location in 1947. Enrollment in Santiago Canyon College programs for fall 2018 totaled 15,950 with 11,916 enrolled in college credit courses and 4,034 enrolled in Continuing Education. The Community Services Program serves 840 residents campus-wide in not for credit, fee-supported classes.

Santiago Canyon College offers 178 degrees and certificates in credit programs including transfer and career majors as well as 63 certificates in Continuing Education programs.

## RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT INFORMATION




## KEY TO LOCATIONS

1. **RSCCD District Office**
   2323 N. Broadway, Santa Ana
2. **Santa Ana College**
   1530 W. 17th St., Santa Ana
3. **Santiago Canyon College**
   8045 E. Chapman Ave., Orange
4. **Orange Education Center**
   1465 N. Batavia St., Orange
5. **Centennial Education Center**
   2900 W. Edinger Ave., Santa Ana
6. **Orange County Sheriff's Department Training Center**
   1900 W. Katella Ave., Orange
7. **Santa Ana College – Orange County Sheriff's Regional Training Academy**
   15991 Armstrong Blvd., Tustin
8. **Digital Media Center**
   1300 S. Bristol St., Santa Ana
9. **Joint Powers Training Center**
   18301 Gothard, Huntington Beach
10. **El Modena High School**
    3920 Spring St., Orange
11. **Santa Ana High School**
    520 W. Walnut St., Santa Ana
12. **Valley High School**
    1801 S. Greenville St., Santa Ana
13. **Villa Park High School**
    18042 Taft Ave., Villa Park
14. **Chapman Center**
    1937 W. Chapman Ave. Orange

**Accreditation**

Santiago Canyon College and Santa Ana College are accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, an institutional body recognized by the Council for Higher Education Accreditation, the U.S. Department of Education, and the Veterans Administration. Santa Ana College is also recognized by the California State Board of Nursing Education and the American Bar Association.

Documents concerning the colleges' accreditation, licenses and approvals are maintained in the Office of the President of each college. Students wishing to examine these documents may do so by contacting the Office of the President.

Complaints associated with an institution's compliance with academic program quality and accrediting standards can be registered with the ACCJC at the following link: **www.accjc.org/complaint-process**.

**District Facilities**

Santiago Canyon College is situated on 74 acres at 8045 E. Chapman Avenue in Orange. It opened its first phase of classrooms in fall 1985 under the name of the Orange Campus of Rancho Santiago College. The Child Development Center opened in fall 1991 to provide childcare services. Santa Ana College is located on approximately 65 acres at 1530 W. 17th Street in Santa Ana. The college was first opened in 1915 as an extension of Santa Ana High School and has been located at its present site, in the heart of Santa Ana, since 1947. The Orange and Centennial Education Centers each house adult continuing education programs, which provide high school diplomas, English as a Second Language, and courses that contribute to career advancement. Online education offerings also bring the classroom to you.

**District Mission**

The mission of the Rancho Santiago Community College District is to provide quality educational programs and services that address the needs of our diverse students and communities

**District Opportunity**

The Rancho Santiago Community College District provides opportunities for the pursuit of excellence through educational programs and services for local residents. The purpose of these programs and services is to enhance the quality of human life by providing public access to a college education. A significant number of classes are scheduled off-campus each semester in order to enhance accessibility to students. The map indicates the locations of the major instructional sites within the district.

**Santiago Canyon College and Santa Ana College**

Santiago Canyon College is among the newest community colleges in California and began offering classes in 1985 as the Orange Campus within the Rancho Santiago Canyon Community College District. Santiago Canyon College earned its independent accreditation in January 2000, and serves the communities of Orange, Villa Park, and Anaheim Hills.

Enrollment in Santiago Canyon College programs during the Fall of 2023 totaled 18,040 with 11,979 students in college credit courses and 6,061 in classes for Continuing Education students. The Community Education Program serves another 1,209 residents in fee-based not for credit classes.

Santa Ana College opened in 1915 as an upward extension of Santa Ana High School, and is the fourth oldest community college in California. Initially located on the campus of Santa Ana High School, it moved to downtown Santa Ana in 1933, and then to its current location in 1947. Santa Ana College serves the city of Santa Ana and portions of the cities of Tustin, Irvine, and Garden Grove.

In Fall of 2023, the total number of students at Santa Ana College was 42,011, with 25,429 students in college credit courses and 16,582 students in classes for Continuing Education. The Community Education Program serves another 1,209 residents in fee-based not for credit classes.

# RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT INFORMATION

## BOARD OF TRUSTEES

President . . . . . Phillip E. Yarborough
Vice President . . . . . Tina Arias-Miller, Ed.D.
Clerk . . . . . David Crocket
Member . . . . . John R. Hanna
Member . . . . . Zeke Hernandez
Member . . . . . Cecilia Iglesias
Member . . . . . Daisy Tong
Student Trustee . . . . . Stephen Reid
Executive Assistant to the Board of Trustees . . . . . Maria Vicencio

## RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT ORGANIZATION

## CHANCELLOR'S OFFICE

Chancellor . . . . . Marvin Martinez
CHANCELLOR'S OFFICE
Executive Assistant to the Chancellor . . . . . Debra Gerard

## BUSINESS OPERATIONS/FISCAL SERVICES

Vice-Chancellor . . . . . Iris Ingram
Assistant to the Vice-Chancellor . . . . . Kennethia Vega

### Contract Management Services

Director . . . . . Andrew Lim

### Facility Planning, District Construction and Support Services

Assistant Vice Chancellor . . . . . Carri Matsumoto
Director–Facility Planning . . . . . Joe Melendez
Director, Facility Planning . . . . . Tae Kim
Facilities Project Manager . . . . . Hugo Curiel
Facilities System Manager . . . . . David Nakagami

### Fiscal Services

Assistant Vice Chancellor . . . . . Adam M. O'Connor
Director, Accounting, Auditing & Advisory Services . . . . . Vacant
Payroll Manager . . . . . Nancy Tanner
Manager, Budget, & Disbursement Services . . . . . Thao Nguyen

### Purchasing

Director . . . . . Linda Melendez
Inventory, Delivery & Storage Supervisor . . . . . Armando Toner

### Security/Safety

Chief–District Safety/Security . . . . . David Waters
Lieutenant–Santa Ana College . . . . . David Waters
Lieutenant–Santiago Canyon College . . . . . Francisco Prado
Sergeant–Santa Ana College . . . . . Donald Voght, Robert Wittman
Sergeant–Santiago Canyon College . . . . . Mike Jensen, Tiffany Tingirides

## EDUCATIONAL SERVICES

Vice-Chancellor . . . . . Enrique Perez
Assistant Vice Chancellor . . . . . Sarah Santoyo
Assistant to the Vice-Chancellor . . . . . Patricia S. Dueñez

### Information Technologies Services

Assistant Vice Chancellor . . . . . Yezid "Jesse" Gonzalez
Director of Application Services . . . . . Adam Howard
Director, Technology Infrastructure and Support Services . . . . . Dane Clacken
Director, Academic and End User Support Services, SAC- Ron Gonzalves
Director, Academic and End User Support Services , SCC . . . . . Kimberly Perna

### Orange County Regional Consortium

Interum Executive Director . . . . . Michael Sacoto

### Child Development Services

Services Executive Director–Child Development Services . . . . . Janneth Linnell
Director–Child Development Services Quality Assurance . . . . . My Le Pham
Director–SAC–Child Development Center. . . . . , Jerelyn Cowan, Connie Van
Director–Remington Child Development . . . . Zeferina Gonzalez, Jennifer Pruznick
Director–CEC–Child Development Center . . . . . Susan Wahl
Director–SCC–Child Development Center . . . . . Janneth Linnel (acting)l

### Research & Planning & Institutional Effectiveness

Executive Director–Research, Planning & Institutional Effectiveness . . . . Nga Pham

### Public Affairs & Publications

Interim Chief Communications Officer . . . . . Eugene Fields
Manager–Graphic Communications . . . . . Mary Law

## HUMAN RESOURCES

Vice Chancellor . . . . . Kristin Olson, Esq.
Assistant to the Vice Chancellor . . . . . Irene Glomba
Assistant Vice Chancellor, Human Resources, Operations . . . . . Alistair Winter
Assistant Vice Chancellor, Chief of Diversity Officer and Social Impact Officer . . Vacant
Human Resources, Investigations, and Equity . . . . . George Williams
Director . . . . . Vacant
Manager-Employee Relations & District Investigations . . . . . Gayane Khechoomian

### Risk Management and Employee Benefits

Director, Workplace Safety & Risk Management . . . . . Don Maus
Employee Benefits Analyst . . . . . Diane Loya

## SANTIAGO CANYON COLLEGE

## PRESIDENT OFFICE

President . . . . . Jeannie G. Kim, Ph. D.
Assistant to the President . . . . . Anne Kelly
Acting Public Information Officer. . . . . Roshan Uma

### College Advancement/Foundation

Director - Kathy Jennison

## ADMINISTRATIVE SERVICES

Vice President . . . . . Arleen Satele, Ph.D
Manager–Facilities . . . . . Francisco Gonzalez
Supervisor–Custodial . . . . . Vacant
Lieutenant–Safety & Security . . . . . Francisco Prado

## ACADEMIC AFFAIRS

Acting Vice President . . . . . Aaron Voelcker
Curriculum . . . . . Anaisabelle Garcia

## ARTS, HUMANITIES & SOCIAL SCIENCES

Dean . . . . . Michelle Samura
American College English (ACE), Chair . . . . . Pam Hilburn
Anthropology, Chair . . . . . Yanina Valdos
Art, Chair . . . . . Robert Miller
Communication, Chair . . . . . Tara Kubicka-Miller
Economics, Chair . . . . . Alex Taber
English, Chair . . . . . Corinna Evett
Ethnic Studies, Chair . . . . . Tiffany Gause
Gender, Sexuality, and Women's Studies, Chair . . . . . Tiffany Gause
History, Chair . . . . . Rachel Petrocelli
Interdisciplinary Studies, Chair . . . . . Tiffany Gause
Modern Languages, Chair . . . . . Charlie Malone
Performing Arts, Chair . . . . . Eleanor Nunez-Mason
Philosophy, Chair . . . . . Marcelo Pimentel
Political Science, Chair . . . . . Nooshan Shekarabi
Psychology, Chair . . . . . Emma Roe Breeder
Reading, Chair . . . . . Amy Freese
Sociology, Chair . . . . . Tiffany Gause

## BUSINESS & CAREER EDUCATION

Dean . . . . . Denise Foley
Associate Dean . . . . . Vacant
Director, Special Programs . . . . . Vacant
Business, Chair . . . . . Steven Deeley
Child Development, Chair . . . . . Marianne Laney, Sarah Shawesh
Criminal Justice, Facilitator . . . . . Sergio Verino
Education, Chair . . . . . Amy Freese
Electronics Technology . . . . . Jeffry Dennis
Gemology, Facilitator . . . . . Diana Sanders Cinamon
Marketing, Chair . . . . . Steven Deeley
Public Works, Chair. . . . . Jeffry Dennis
Public Works, Facilitator . . . . . Carlos Castellanos
Public Administration and Code Enforcement, Facilitator . . . . . Sergio Verino
Real Estate, Facilitator. . . . . Martha Cherry
Surveying & Mapping Sciences, Facilitator . . . . . Brian Mundia
Cinema Studies, Facilitator . . . . . Michelle Rue
Water and Wastewater Technology, Chair . . . . . Jeffry Dennis

## MATHEMATICS & SCIENCES

Dean & Athletic Director . . . . . Martin Stringer
Astronomy, Chair . . . . . Danielle Martino
Biology, Co-Chairs . . . . . .Mark Smith, Anson Lui
Chemistry, Co-Chairs . . . . . Amanda Henry
Earth Science, Chair . . . . . Angela Daneshmand
Geography, Chair . . . . . Vanessa Engstrom
Kinesiology, Co-Chairs . . . . . Lisa Camarco, Ian Woodhead
Mathematics, Co-Chairs . . . . . Matthew Cotter, Alicia Frost, Jessica Kramer
Physics & Engineering, Computer Science, Chair . . . . Cindy Swift, Ahmed Alweheiby

## INSTITUTIONAL EFFECTIVENESS, LIBRARY & LEARNING SUPPORT SERVICES

Dean . . . . . Aaron Voelcker
Distance Education, Coordinator . . . . . Scott James
Institutional Effectiveness/Research . . . . . Haydeh Kaveh
Instructional Design Center . . . . . Silvia Lopez
Information Studies, Chair . . . . . Seth Daugherty
Library, Chair. . . . . Seth Daugherty
Online Tutoring . . . . . Amanda Carpenter
Student Information Support . . . . . .Sergio Rodriguez

## STUDENT SERVICES

Vice President . . . . . Christopher Sweeten

### Student Equity & Success / Student Development

Dean, Student Development and Deputy Title IX Coordinator Joseph Alonzo, Ed.D.
Scholarship Program Office . . . . . .Kathy Jennison
Veterans Resource Center . . . . . .LaKyshia Perez, Ed.D.
College Assistance Migrant Program (CAMP) . . . . . Eduardo Rocha
Office of Student Life & Leadership . . . . . Diana Casares
Student Support Services – TRIO . . . . . TRIO - LaKyshia Perez, Ed.D.
Upward Bound Math & Science (UBMS) . . . . . .LaKyshia Perez, Ed.D.
Extended Opportunity Programs & Services (EOPS) /CARE & CalWORKs, Next Up.
. . . . . Rosie Gonzalez

### Counseling & Student Support Services

Dean . . . . . .Jennifer Coto, Ph.D
Counseling, Co-Chairs . . . . . Vivien Vu, Dora Escobar
Articulation . . . . . .Leonor Aguilera
Career Services. . . . . .Jennifer Godzsak
Assessment/AB705 . . . . . Dora Escobar
Transfer Center. . . . . .Macey Lachman & Emily Delgado
Hawk Support Center . . . . . .Alejandro Ramirez

### Extended Opportunity Programs & Services (EOPS) /CARE & CalWORKs

Facilitator . . . . . Rosie Gonzalez

### Enrollment and Support Services

Dean . . . . . .Jennifer Coto
High School & Community Outreach . . . . . .Loann Tran

### Admissions & Records

Dean . . . . . Tuyen Nguyen
Graduation . . . . . Tiffany Garbis
International Student Program . . . . . Jetza Torres

### Financial Aid

Associate Dean . . . . . Sheena Tran
On-Campus Job Placement. . . . . Sonya Langelier

### Disabled Students Program & Services (DSPS)

Associate Dean . . . . . Vacant
Chair . . . . . Catherine Uribe

### Student Health & Wellness Services

Nurse Coordinator. . . . . Vacant
Psychological Services. . . . . .Melissa Campitelli-Smith

### Rising Scholars

Counselor . . . . . Albert Alvano

## CONTINUING EDUCATION

Vice President . . . . . Larisa Sergeyva
Dean, Instruction & Student Services. . . . . Joanne Armstrong
Dean, Instruction & Student Services. . . . . Christine Gascon
Dean, Instruction & Student Services. . . . . Estela Cuellar-Velasco
Registrar . . . . . .Patricia Alvano

### Adult Basic Education/High School Subjects

Chair . . . . . Elaine Pham
Coordinators . . . . . .Jolene Shields, Denise Salcido

### Adults with Disabilities

Coordinator . . . . . Vacant

### Community Services

Coordinator . . . . . Stephanie Correa

### Counseling

Chair . . . . . .Rosalba Hernandez

### English as a Second Language/Citizenship

Coordinator and Chair. . . . . .Rita Van Dyke-Kao

### Inmate Education Program

Coordinator . . . . . .Mary Roberson

### Older Adults

Coordinator and Chair. . . . . Amanda Paiz

### Vocational

Coordinator . . . . . .Daniel Oase
Coordinator and Chair. . . . . Cristina Morones

### Workforce Preparation

Coordinator . . . . . Patty Sanchez and Chair

# ADMISSIONS & RECORDS

**Santiago Canyon College**
**8045 East Chapman Avenue, E-101**
**Orange, CA 92869**
**(714) 628-4901**
**admissions@sccollege.edu**

### ADMISSIONS AND RECORDS OFFICE HOURS:

Monday 8:00AM - 6:00PM
Tuesday 8:00AM - 6:00PM
Wednesday 8:00AM - 6:00PM
Thursday 8:00AM - 6:00PM
Friday 8:00AM - 12:00PM
Saturday CLOSED
Sunday CLOSED

### 2026/27 GRADING OPTIONS:

- **Pass/No Pass:** Submit by Last Day of Instruction of the Class
- **Excused Withdrawal** Due to Extenuating Circumstances or Military Withdrawal

### ADMISSIONS & RECORDS ONLINE RESOURCES:

Self-Service: We strongly encourage you to access your account through Self-Service to make changes to your class schedule, and pay for classes. It is typically easier and faster to manage your student account online.

- **Phone:** You may reach us at (714) 628-4901
- **Email:** We can answer your questions and accept petitions or forms via email at admissions@sccollege.edu. Please make sure your email includes a brief explanation of what you need as well as your name and student ID number. Petitions and forms must be filled out completely and signed before we are able to accept and process. Petitions and forms can be found at https://sccollege.edu/students/studentservices/admissions/forms
- **Transcripts:** You can order your transcripts online at www.sccollege.edu/transcripts.

# ADMISSION REQUIREMENTS

## ADMISSION REQUIREMENTS

### Who May Attend

High school graduate
OR
Person in possession of a California high school proficiency certificate or GED
OR
Person 18 years of age or older who can profit from instruction,
OR
High school student taking dual enrollment course(s).
OR
International Students with a valid Visa.

### How and When To Apply

New students and students returning after an absence of two consecutive full semesters (fall, spring) must submit an application for admission to the college.

Submit transcripts of high school(s) and colleges attended with the Admissions and Records Office if pursuing a degree at Santiago Canyon College or receiving financial assistance.

### Application dates:

Applications for all terms in the following year will open for submission on October 1st.

## APPLYING TO THE COLLEGE

### New or Former Students

New or former students need to apply. A new student is a student who has never attended Santiago Canyon College or Santa Ana College. A former student is a student who attended SCC or SAC, did not enroll for two consecutive full semesters, and now wishes to return. All applications are completed on the *www.sccollege.edu* website. Applications are processed within 1-3 business days.

An e-mail will be sent with student's email address (single sign on), student ID number, and other student information. The student email address and Student ID Number for former students will always remain the same. Once you have been assigned a student email address, you may then go online, change your password, and view your registration appointment date and time.

### Continuing Students

A continuing student is a student who has not missed two consecutive full semesters. The student may check online for his/her registration date and time and may register online at that time or any time until the day before the sections begins. Students are encouraged to meet with a counselor each semester in order to review their academic progress before completing registration.

## HOW TO PREPARE FOR PROPER COURSE PLACEMENT, REGISTRATION AND EDUCATIONAL PLANNING (STUDENT EQUITY AND ACHIEVEMENT PROGRAM)

The Student Equity and Achievement Program (SEAP) provides students with access to core programs and services designed to help them achieve their academic and personal goals in a timely manner.

New student orientation and advisement are available to all new students. Upon completion of the orientation, students can meet with a counselor to receive assistance in developing a first-semester education plan. The plan includes mathematics, English, or American College English/English as a Second Language (ACE/ESL) course placement recommendations and courses aligned with students' educational goals. A student to Comprehensive Student Education Plan (CSEP) will detail all of the coursework required to reach a desired educational goal (semester-by-semester educational plan). A Comprehensive Student Education Plan is recommended during the first semester and must be completed within one year of initial enrollment. Students may accomplish this requirement by enrolling in a counseling course or scheduling an appointment with a counselor. A request to be exempt from completing these services is available on the Admissions & Records website. Exemption approval requires that students provide sufficient justification for their request.

## ASSESSMENT/AB1705

### AB 705/1705 Implementation

Santiago Canyon College has revised its placement practices for Mathematics, English, and English as a Second Language (ESL) courses in accordance with state legislation. These requirements ensure that students have access to transfer-level coursework in Mathematics, English, and ESL. Placement testing is no longer required for students enrolling in Mathematics, English, and/or Reading courses. Placement into these courses is determined as follows:

### Recommendation Based on High School Performance Information

Students receive course recommendations for mathematics, English, and reading based on self-reported high school non-weighted grade point average (GPA), high school coursework completion, and earned grades.

### Guided Placement Course Recommendation

The Guided Placement tool is for students who do not have access to their high school transcript or did not attend high school in the United States. This tool assists students in choosing a Mathematics course aligned with their major and an English or ACE/ESL course that best fits their preferences and academic needs.

### Assessment and Course Placement for American College English/ English as a Second Language (ACE/ESL)

Students interested in enrolling in the ACE/ESL program need to complete the ACE/ESL Guided Placement for course placement recommendations. For more information visit the Placement Testing website under Admissions and Records.

### Assessment for Chemistry Placement

Assessment for Chemistry placement is available for students planning to enroll in SCC's Chemistry 200A (General Chemistry A). An assessment appointment can be made by calling 714-628-4800 or by visiting the Placement Testing website under Admissions and Records.

### Disability-Related Accommodations

Students who require disability-related accommodations must request them at least two weeks prior to taking the Chemistry 200A assessment. To arrange for accommodations for assessment, contact Disabled Students Programs and Services (DSPS) at 714-628-4860 to schedule an evaluation of needs.

## AB 1805 ACCESSING PLACEMENT DATA

Santiago Canyon College strives to provide the best possible course placement recommendations for each student. Placement Data is available on the SCC website under the "Assessment Services" page. SCC's disclosure of these results allows prospective students and the public to view the number of students assessed and placed into transfer-level mathematics, English, and ACE/ESL courses.

### Coursework from Other Colleges

Students who have attended another regionally accredited college and have completed courses that meet the prerequisite for SCC Courses can submit transcripts (unofficial are accepted) to clear prerequisites by one of the following methods:

1. Bring transcripts to the Counseling Center (Building D, Room 106) for verification and prerequisite clearance.
2. An online prerequisite clearance request form is available at the SCC Counseling website under "Course Prerequisite Clearance." Submit the form and supporting documentation to prereq@sccollege.edu.

### Right to Challenge

Students who want to challenge their course placement recommendation/s need to submit a Requisite Challenge Form to the appropriate department two weeks prior to the start of the semester. Additional information about this process is available on the SCC website under "Assessment Services."

### Chosen Name

Rancho Santiago Community College District recognizes that some students, staff, and faculty wish to identify themselves by a name other than their legal name. For this reason, Santiago Canyon College

# ADMISSION REQUIREMENTS

and the Rancho Santiago Community College District will be switching entirely to "Chosen Name".

**Change "Chosen Name" in Self-Service**

In order to continue use of your chosen name, you will need to log in to Self-Service and re-enter the name you prefer to be identified by. It is important to understand that designating your Chosen Name for use at SCC does NOT constitute a legal name change. A students' legal name will continue to be used on certain college documents, such as transcripts. A student's Chosen Name will automatically display in Canvas and will be listed on class rosters and waiting lists for use by instructors and departments.

**Course Families**

Certain courses are grouped into course families that give students similar educational experiences. Within any given course family, students are only permitted four experiences while enrolled at Santiago Canyon College. An experience is defined as taking a course and receiving any letter grade, including a substandard grade (D, F, NP, or W). Once a student has received four experiences in a given family, they will not be permitted to enroll in any other class within that family, even to alleviate a substandard grade.

If a student has already received a grade in three courses within a given family, they will only be permitted one more attempt at a course within that family. If courses in a family are in a sequence, the sequence must be followed.

When families have more than four courses, a student can only take four of the courses in the family. When families have less than four courses, a student can only take the number of courses in the family. Students cannot receive credit for the same course more than one time unless it is specifically designated a repeatable course (reference Course Repeatability and Repetition page).

The courses included in course families are:

ART110 - Two-Dimensional Design
ART111 - Three-Dimensional Design
ART122 - Graphic Design I
ART128 - Introduction to Illustration
ART129 - Introduction to Web Design
ART130 - Introduction to Drawing
ART131 - Beginning Life Drawing
ART141 - Beginning Painting
ART149 - Introduction to Digital Photography
ART159 - Introduction to Mobile Application Development and Design
ART195 - Introduction to Digital Media Arts
ART221 - Graphic Design II
ART228 - Intermediate Illustration
ART229 - Multimedia Applications for the Web
ART230 - Intermediate Drawing
ART231 - Intermediate Life Drawing
ART232 - Advanced Life Drawing
ART233 - Advanced Drawing
ART241 - Intermediate Painting
ART242 - Advanced Painting
ART249 - Intermediate Digital Photography
ART250 - Advanced Studio Concepts
ART259 - Advanced Mobile Application Development and Design
DNCE106A - Modern Dance Fundamentals
DNCE106B - Intermediate Modern Dance
DNCE108A - Ballet Fundamentals
DNCE108B - Intermediate Ballet
DNCE115A - Tap Dance Fundamentals
DNCE115B - Introduction to Tap Dance
DNCE119A - Jazz Dance Fundamentals
DNCE119B - Intermediate Jazz Dance
DNCE204A - Dance Production
DNCE204B - Dance Production
DNCE250A - Hip Hop Dance I
DNCE250B - Hip-Hop Dance II
DNCE251 - Hip Hop Dance III
KIN119 - Personal Fitness Evaluation
KIN121A - Basic Step Aerobics
KIN125A - Basic Cardio Kickboxing
KIN125B - Intermediate Cardio Kickboxing
KIN126A - Basic Spin
KIN126B - Intermediate Spin
KIN127A - Basic Yoga
KIN127B - Intermediate Yoga
KIN127C - Advanced Yoga
KIN128A - Basic Tai Chi
KIN140A - Basic Circuit Weight Training
KIN140B - Intermediate Circuit Weight Training
KIN140C - Advanced Circuit Weight Training
KIN146B - Intermediate Strength Training
KIN146C - Advanced Strength Training
KIN160A - Basic Basketball
KIN160B - Intermediate Basketball
KIN163A - Basic Indoor Soccer
KIN168A - Basic Volleyball
KIN168B - Intermediate Volleyball
KIN185A - Basic Swimming
KIN185B - Intermediate Swimming
KIN185C - Advanced Swimming
KIN189A - Basic Aqua Aerobics
KIN200 - Conditioning for Athletes-Men
KIN201 - Conditioning for Athletes-Co-Ed
KIN202 - Conditioning for Athletes-Women
KIN203 - Speed and Agility-Men
KIN204 - Speed and Agility-Women
KIN240 - Basketball Team- Men
KIN241 - Basketball Team- Women
KIN242 - Basketball Team Off-Season Men
KIN245 - Volleyball Team- Men
KIN246 - Volleyball Team- Women
KIN247 - Volleyball Team Off-Season - Men
KIN248 - Volleyball Team Off-Season - Women
KIN255 - Cross Country Team-Men
KIN256 - Cross Country Team-Women
KIN257 - Cross Country Team-Off Season
KIN270 - Soccer Team- Men
KIN271 - Soccer Team- Women
KIN272 - Soccer Team Off Season-Men
KIN273 - Soccer Team Off Season-Women
KIN281 - Softball Team-Women
KIN283 - Softball Team Off Season-Women
MUS061 - Basic Piano Skills
MUS121 - Beginning Voice
MUS122 - Intermediate Voice
MUS123 - Advanced Voice
MUS124 - Advanced Vocal Production and Repertoire
MUS161 - Class Piano I
MUS162 - Class Piano II
MUS163 - Class Piano III
MUS164A - Intermediate Piano Repertoire I
MUS164B - Intermediate Piano Repertoire II
MUS185 - Beginning Class ical Guitar
MUS186 - Intermediate Classical Guitar
MUS187 - Advanced Classical Guitar
MUS188 - Advanced Classical Guitar Technique and Repertoire
PBLC199 - Cooperative Work Experience Education
THEA110 - Acting Fundamentals
THEA111 - Intermediate Acting
THEA118 - Fundamentals of Scene Study
THEA180A - Rehearsal and Performance: Drama - Minor/Supporting Role
THEA180B - Rehearsal and Performance: Drama - Leading Role
THEA181A - Rehearsal and Performance: Comedy - Minor/Supporting Role
THEA181B - Rehearsal and Performance: Comedy - Leading Role
THEA182A - Rehearsal and Performance: One-Act Plays
THEA182B - Rehearsal and Performance: Original One-Act Plays
THEA183A - Rehearsal and Performance: Musical - Minor/Supporting Role
THEA183B - Rehearsal and Performance: Musical - Leading Role
THEA186A - Beginning Technical Theatre Production
THEA186B - Intermediate Technical Theatre Production
THEA186C - Advanced Technical Theatre Production

**Fees and Expenses/ Drop for Non-Payment**

Drop for Non-payment Policy: Enrollment fees must be paid in full within 3 days of registration (including weekends and holidays) or all classes may be dropped and released to other students. The day you register is counted as day one.

1. All students are required to pay enrollment fees of $46 per unit within 3 days of registration. If classes are not paid within that time, the student may be dropped from all classes and will have to re-register. In addition to the 3-day non-payment drop policy, there is a final outstanding balance drop date. All fees must be paid in full by the Friday before the start of the term. No balance will be carried over into the start of the semester. It is the student's responsibility to drop by the refund deadline to avoid any fees for enrolled classes. The college reserves the right to postpone or suspend nonpayment drops.
2. A health fee of $23 per semester ($20 for summer session) is charged to all students whether or not they choose to use health services. Health Fee Exemptions (Education Code 76355): (1) Any student who depends exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization, provided that the student presents documentary evidence of an affiliation with such a bona fide religious sect, denomination, or organization. (2) Any student enrolled in an approved Apprenticeship Program. A request for an exemption may be filed at the Admissions & Records Office.
3. Virtual Parking Permits are $20 for students with fee waivers and $30 for all other students during the fall and spring semesters and $10 during summer session. No permit Is required for intersession. Permits may be purchased online through Self-Service or by using the link found on the Safety & Security websites. A permit Is required to park on campus at SAC and SCC. Only one permit Is necessary for students who attend both colleges. Motorcycles are exempt in designated parking areas.
4. A Student Life and Leadership fee of $10 (fall and spring semesters) or $5.00 (summer session) is payable at registration for classes. The fee

# ADMISSION REQUIREMENTS

includes a free Photo ID for college services: (1) Library, Student and Instructional Services; and (2) $10 for college activities. Photo ID and term validation is available at Santiago Canyon College. These services and fees are optional.

5. The Santiago Canyon College Student Representation Fee of $2 is charged per semester. The $2 mandatory fee (Education Code 76060.5) is used by the Associated Student Government to represent the view of students with governmental agencies.
6. Transportation Fee: All students pay a mandatory fee each fall and spring semester. This fee provides unlimited access to all fixed route buses operated by the Orange County Transit Authority (OCTA). The fee per semester is $3.20 for full-time students (enrolled in 12 or more units) and $2.20 for part-time students (enrolled in less than 12 units). Bus access will be available seven days per week for school, work, or any other destinations. In the Partnership agreement between OCTA and RSCCD, 100% of the fee proceeds are remitted to OCTA. No dollars are kept for RSCCD usage or profit for administering this program for our students.

**Non-Resident Tuition**

Non-resident Tuition for FY26/27 is $409 per unit in addition to the per enrollment fee for out-of-state residents and for students who are a citizen of a foreign country. Refer residency questions to the Admissions and Records Office.
Visa, MasterCard, Discover and American Express are accepted for all fees.
All tuition, fees, and expenses are subject to change with new state legislation.

**Open Educational Resources (OER)**

Open Educational Resources (OER) Open Educational Resources refer to free or low cost class materials, such as a textbook or online resource. Classes listed with an OER symbol use a free textbook unless otherwise noted in the class schedule. Classes using Lumen Learning OER will charge a materials fee for a standard textbook and online resources.

**Refund of Tuition and Enrollment Fees**

- Students are eligible for full refunds of fees provided they have officially dropped from classes prior to the refund deadline or their classes have been cancelled by the college. There is no refund for classes added after the refund deadline date. (Check Self-Service section details for refund deadline).
- Refunds are based upon the date the student withdraws from the course online.
- No refund will be processed until assurance has been given that any check in payment for tuition has been cleared.
- Enrollment Fee refunds are granted in accordance with established provisions of the community college education code. Contact the Cashier's Office or refer to the current class schedule for details of the refund policy and procedures.
- There is no refund for variable units not completed.

**International Student Admissions**

SCC is a SEVP approved institution to host international students who enter the country on F-1 student visas. This school is authorized under Federal law to enroll nonimmigrant alien students. Foreign students should contact the International Student Office or visit www.sccollege.edu/international for application process and admissions requirements. The deadline to apply is 45 days prior to the start date of the term; for exceptions, please contact the International Student Office. A $65 application fee is required along with the application form. For more information, call 714-628-5050.

**Admission Policy of International Students on F-1 Visa Status:**

1. International students are required to submit transcripts with their applications. For transcripts in a language other than English, translation may be required. Applicants applying within the U.S. who had previously attended a U.S. high school or U.S. college/university must submit transcripts from all previous educational institutions.
2. International students must have sufficient knowledge of English to enable them to profit from instruction at the college level. English proficiency is determined by a satisfactory score as listed on the International Student Program website.
3. The minimum age requirement to attend SCC is 16 years old. Students under 18 years of age must provide proof of high school completion. The student must be 16 years old by the first day of classes of the entering semester as listed in the college schedule.
4. Students on the F-1 Visa must present evidence that they have financial resources to defray costs during the period of attendance at the college. The annual tuition for a student enrolled in 12 units each semester is $11,544 US dollars. The 2026-2027 cost per unit for international students is $481 ($409 non-resident tuition + $46 enrollment fee + $26 capital outlay). The health insurance premium is $2,796 per year. For living expenses and other costs, such as books, visit the college website at www.sccollege.edu/international. All tuition, fees, and expenses are subject to change with new state legislation.
5. Although SCC does not require proof of immunizations, it is strongly recommended that all students planning on coming to the U.S. to study receive all necessary vaccinations and are free of tuberculosis. Students should assure that they are healthy when they come to study in the United States. It is suggested for students to check with Consulate or Embassy for recommended immunizations.
6. Admitted students are required to purchase the health insurance plan approved by the District. Other outside health care plans are not accepted, except students sponsored by a governmental agency or program or covered by a U.S.-based health plan of a family member. Proof of health insurance is required prior to registration. The college accepts no responsibility for medical expenses incurred by international students.
7. Santiago Canyon College does not provide housing for students; however, our offices offer information resources to help students find housing options. Students can participate in a homestay program arranged through private companies. SCC does not monitor or administer these programs. For housing, information visit www.sccollege.edu/international.

Students on the F-1 Visa must present evidence that they have financial resources to defray costs during the period of attendance at the college. The annual tuition for a student enrolled in 12 units each semester is $11,544 US dollars. The cost per unit for international students is $481 ($409 non-resident tuition + $46 enrollment fee + $26 capital outlay). The health insurance premium is $2,796 per year. For living expenses and other costs, such as books, visit the college website at www.sccollege.edu/international. All tuition, fees, and expenses are subject to change with new state legislation.
Although SCC does not require proof of immunizations, it is strongly recommended that all students planning on coming to the to study receive all necessary vaccinations and are free of tuberculosis. Students should assure that they are healthy when they come to study in the United States. It is suggested for students to check with Consulate or Embassy for recommended immunizations.
Admitted students are required to purchase the health insurance plan approved by the District. Other outside health care plans are not accepted, except students sponsored by a governmental agency or program or covered by a U.S.-based health plan of a family member. Proof of health insurance is required prior to registration. The college accepts no responsibility for medical expenses incurred by international students. Santiago Canyon College does not provide housing for students; however, our offices offer information resources to help students find housing options. Students can participate in a homestay program arranged through private companies. SCC does not monitor or administer these programs. For housing, information visit www.sccollege.edu/international.

**Registered Sex Offender Information**

Current information concerning registered sex offenders can be obtained by going to:
www.meganslaw.com"Sex offenders are required to register with the police in the jurisdiction in which they reside and if attending institutions of higher learning in a different jurisdiction, they must register with local police for that area. Sex offenders who may be required to register should do so at the Orange Police Department if attending Santiago Canyon College.

**Residency**

All students are classified as either a resident of the State of California or non-resident when applying for admission. "Residents" are students who have residence in the state for more than one year before

# ADMISSION REQUIREMENTS

the initiation of a semester or term (EC 68017), based on the "Residency Determination Date" which is the day immediately preceding the opening of instruction (applies to U.S. citizens, permanent residents, and persons holding certain visas that allow for residency). "Non-residents" are students who have not established residence in the State of California for one year as of the residency determination date. Persons who are 18 years of age or older (adults) establish residency in accordance with EC 68017 above. Adult residency begins after the 18th birthday. Persons who are under 18 years of age (minors) establish residence in accordance with above "resident" definition and the following:

a. Married minors may establish their own residence.
b. The residence of the parent with whom an unmarried minor child maintains a place of abode is the residence of the unmarried minor child. When the minor lives with neither parent, residence is that of the parent with whom the minor last resided. The minor may establish residence when both parents are deceased and a legal guardian has not been appointed.
c. The residency of unmarried minors who have a parent living cannot be changed by their own acts, appointment of legal guardians, or relinquishment of a parent's right of control (EC 68062).
d. Exceptions apply under certain conditions to active members of the military.
e. Specific residency problems will be answered by the Admissions and Records Office.
f. Non-Citizen Students: Students with a "permanent resident" visa, refugee status, or amnesty approval may establish residency in accordance with above discussion. All visas must be examined by the college to determine residency status.

### Right To Review and Challenge Records

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student's education records within 30 days of the day the college receives a request for access. Students should submit to the Dean of Enrollment and Support Services, written requests that identify the record(s) they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected.
2. The right to request the amendment of the student's education records that the student believes is inaccurate. Students may ask the college to amend a record that they believe is inaccurate. They should write the college official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate. If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.
   One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the college in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees or a member of an official committee.
   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, the college discloses education records without consent to officials of another school in which a student seeks or intends to enroll. [NOTE: FERPA requires an institution to make a reasonable attempt to notify the student of the records request unless the institution states in its annual notification that it intends to forward records on request.]
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Santiago Canyon College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is: **Family Policy Compliance Office Department of Education 400 Maryland Avenue, SW, Washington, DC 20202-5901**

### RSCCD Rates of Student Right-To-Know Act

The rates below are placed here in accordance with the federally mandated Student Right-To-Know Act.
Santiago Canyon Community College

**Student Right-to-Know Rates for Fall 2019 Cohort:**

**Completion Rate: 45.41 %**
**Transfer Rate: 8.75 %**

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 2019, 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 2019 to Spring 2022. 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 2020 to Spring 2022, are transfer students.
Please note, this data is accurate as of the publication date.

### Schedule of Classes

A schedule of classes is prepared each semester and is available online. It includes general information, courses offered, hours, rooms, and instructor names.

### Textbooks and Supplies

Textbooks, supplies, and athletic equipment must be purchased by the student. Special fees required for certain courses are indicated in the class schedule.

### Solomon Amendment For Military Recruiters

The Solomon Amendment is a federal law that allows personally identifiable student information to be released to recruiters that would have been denied them under FERPA. This law mandates that institutions receiving federal financial aid must fulfill military recruitment requests for access to campus and lists of students. If Santiago Canyon College fails to comply with these requests from military recruiters, the college will lose federal financial aid funding.

### Student Photo Identification Card

A student is eligible for a photo identification card after paying for classes. Photo I.D. is located in the Cashier's Office in E-102. This card facilitates student use of the Library, Student Health and Wellness Services, computer laboratories, the Admissions Office, and a variety of college services.

### Transcripts

Students may obtain an official transcript of records by submitting a request online or in person at the Admissions and Records Office at Santiago Canyon College. The first two counter transcripts will be issued without charge; thereafter, a $3 charge will be assessed for each additional mailed transcript. Express transcripts and all online transcripts are $8. All official transcripts are copies of the student's permanent record in the Office of Admissions and Records at either college. Only records prepared and issued directly from that office will be considered official or certified for accuracy. Transcripts from other institutions are property of the college and will not be released.

Admissions and Records do not hold transcripts for final grades. It is the student's responsibility to verify that all grades have been posted via Self-Service before requesting transcripts

### International Transcripts – Evaluation Practices

Santiago Canyon College may grant credit for college coursework completed outside of the United States. Students must submit their records to a Santiago Canyon College recognized evaluating agency, in order to obtain an equivalency/evaluation report (go to www.naces.org for approved listings of evaluating agencies). Once the Admissions Office at Santiago Canyon College receives the equivalency/evaluation

# ADMISSION REQUIREMENTS

report, an official evaluation will be conducted to determine course applicability.

The following guidelines apply to coursework completed outside of the United States.

- There is no transfer credit limit a student may be granted for coursework completed outside of the United States. However, Santiago Canyon College may only grant credit for lower-division classes.
- College credit may only be granted toward Santiago Canyon College's local associate degrees (AA or AS) and certificate programs. Credit will not be granted toward Associate Degrees for Transfer (AA-T or AS-T).
- Coursework may not be used to fulfill the following General Education Requirements: English Composition, American Institutions, Reading, and Oral Communication.
- Courses intended to fulfill major requirements must be submitted to the major department for approval.
- Coursework may not be used to fulfill General Education Certification requirements for CSU-GE or IGETC (with the exception of Area 6 – Language Other Than English).
- Santiago Canyon College may not determine course transferability to other colleges and universities.

Students who have completed coursework outside of the United States are encouraged to meet with a counselor to determine a course and program's applicability.

# COLLEGE POLICIES AND PROCEDURES

Academic and Progress Probation/Dismissal Academic Freedom Academic Honesty Academic Honors Academic Renewal Attendance & Drops Basic Skills Course Limit Career Technical Education (CTE) Transitions Classification of Students Computer & Network Use Course Auditing Course Repeatability and Repetition Credit for Prior Learning and Credit by Examination (CBE) Drug Free Environment and Drug Prevention Program Dual Enrollment Enrollment Priority Experimental Courses Family Education Rights and Privacy Act (FERPA) Free Expression General Grievances Grade Grievances Grade Notification Grades & GPA Incomplete Work Independent Study Lost and Found Parking Pass/No Pass Photography Prerequisites, Corequisites, and Advisory Publicity Sexual Assault and Other Assaults on Campus (Title IX) Sexual Harassment Complaints (Title IX) Smoking and Tobacco Use Standards of Conduct for Computer Classrooms and Computer Labs Standards of Student Conduct Student Email Transfer Credit Unit of Credit Withdrawal From Class Withholding of Student Records

## ACADEMIC AND PROGRESS PROBATION/DISMISSAL

A student's academic standing and progress is calculated at the end of the fall and spring semesters (calculations are not done after the summer session or intersession), based only on the SCC/SAC units and cumulative (RSCCD Total) grade point average (GPA). Academic and Progress Probation calculations begin after a student has attempted 12 units or more at SCC/SAC. Students are placed on Academic Probation when their RSCCD Total GPA for all SCC/SAC coursework falls below 2.0. Students are placed on Progress Probation when the percentage of coursework at SCC/SAC has an entry of "W", "I", "NP", and "NC" which reaches or exceeds fifty percent (50%) of the coursework attempted.

## ACADEMIC PROBATION AND DISMISSAL

### A1- Academic Probation (First Time)

Students placed on academic probation for the first time (first semester under a RSCCD Total GPA of 2.0) are required to attend a counseling intervention workshop. An e-mail notification is sent to the student and a registration hold is placed on the student record until the completion of the workshop.

### A2-Academic Probation (Second Time)

Students who have two consecutive semesters with a RSCCD Total GPA below 2.0 will lose priority registration for the next registration opportunity. Their registration date will be after all new applicants.

### AD-Academic Dismissal

Students who have three consecutive semesters with a RSCCD Total GPA of below 2.0 at the end of the spring semester are dismissed. Students who are dismissed have a hold placed on their records and an e-mail is sent notifying them of their status. Students cannot register for classes at SCC or SAC for one full semester. When students returns after "sitting out" one semester, they will return on academic probation and will continue to lose registration priority until their RSCCD Total GPA is at or above a 2.0.

Students who have three consecutive semesters with a RSCCD Total GPA of below 2.0 at the end of the spring semester are dismissed. Students who are dismissed have a hold placed on their records and an e-mail is sent notifying them of their status. Students cannot register for classes at SCC or SAC for one full semester. When students returns after "sitting out" one semester, they will return on academic probation and will continue to lose registration priority until their RSCCD Total GPA is at or above a 2.0. Students who have three consecutive semesters with a RSCCD Total GPA of 2.0 at the end of the fall semester are "subject to dismissal" and a hold is placed on their student record. Since they have already registered for the spring semester they are given a grace period to improve their RSCCD Total GPA. If the RSCCD Total GPA remains below a 2.0 at the end of the spring semester, they will be academically dismissed and will not be able to register for classes at SCC or SAC for one full semester. When they return after "sitting out" one semester, they will return on academic probation and will continue to lose registration priority until their RSCCD Total GPA is at or above a 2.0.

## PROGRESS PROBATION AND DISMISSAL

### P1-Academic Probation (First Time)

Students placed on Progress Probation for the first time (first semester where the total of W, NP, or I grades is 50% or more of all grades earned) will be notified and provided intervention services.

### P2-Academic Probation (Second Time)

Students who have two consecutive semesters of progress probation will lose priority registration for the next registration opportunity. Their registration date will be after all new applicants.

### PD-Progress Dismissal

Students who have three consecutive semesters with less than 50% of their coursework earning a grade at the end of the spring semester are dismissed. Students who are dismissed have a hold placed on their records and an e-mail is sent notifying them of their status. A student cannot register for classes at SCC or SAC for one full semester. When the student returns after "sitting out" one semester, the student will return on progress probation and will continue to lose registration priority.

Students who have three consecutive semesters with less than 50% of their coursework completed with a grade at the end of the spring semester are dismissed. Students who are dismissed have a hold placed on their records and an e-mail is sent notifying them of their status. A student cannot register for classes at SCC or SAC for one full semester. When the student returns after "sitting out" one semester, the student will return on progress probation and will continue to lose registration priority.

Students who have three consecutive semesters with less than 50% of their coursework completed with a grade at the end of the fall semester are "subject to dismissal" and a hold is placed on their student record. Since the student has already registered for the spring semester, they are given a grace period to improve their course completion rate. If the percentage of completed coursework remains below 50% at the end of the spring semester, they will be dismissed and will not be able to register for classes at SCC or SAC for one full semester. When the student returns after "sitting out" one semester, the student will return on progress probation and will continue to lose registration priority.

**Important Note: Registration priority shall be lost at the first registration opportunity after a student is placed on academic or progress probation or any combination thereof for two consecutive terms.**

## ACADEMIC FREEDOM

The teacher should be free to think and to express ideas, free to select and employ materials and methods of instruction, free from undue pressures of authority, and free to act within his/her professional group. Such freedom should be used judiciously and prudently to the end that it promotes the free exercise of intelligence and student learning. Academic freedom is not an absolute. It must be exercised within the law and the basic ethical responsibilities of the teaching profession. Those responsibilities include:

- An understanding of our democratic tradition and its methods.
- A concern for the welfare, growth, maturity, and development of students. The method of scholarship.
- Application of good taste and judgment in selecting and employing materials and methods of instruction. Board Policy 4030 Academic FreedomAdministrative Regulation 4030 Academic Freedom Reference(s):

Title 5, Section 51023ACCJC Accreditation Eligibility Requirement 20 and AACJC Accreditation Standard I.C.7 (Formerly II.A.7)

## ACADEMIC HONESTY

### Introduction

Students at Santiago Canyon College are expected to be honest and forthright in their academic endeavors. To falsify the results of one's research, to steal the words or ideas of another, or to cheat on an examination corrupts the essential process by which knowledge is advanced. Academic dishonesty is seen as an intentional act of fraud, in which a student seeks to claim credit for the work or efforts of another without authorization or uses unauthorized materials or fabricated information in any academic exercise.

We, as an institution, also consider academic dishonesty to include forgery of academic documents, intentionally impeding or damaging the academic work of others, assisting other students in acts of dishonesty or coercing students into acts of dishonesty.

### Procedures

In cases where a violation of academic honesty is discovered, the faculty member is encouraged to

# COLLEGE POLICIES AND PROCEDURES

file an "Academic HonestyIncident Report" form and distribute the form as specified.
There are two categories of sanctions: Limited and College-wide. Limited sanctions include an academic action such as assigning a lower grade or a grade of "F or zero" for the test or project. College-wide sanctions include any sanction that will affect a student's standing with the college-at-large, up to and including suspension or expulsion from the college. In matters relating to academic honesty violations, the primary responsibility for employing the Limited Sanctions rests with the instructor and the academic division where the violation allegedly occurred. The Associate Dean of Student Development will assist in all College-wide disciplinary sanctions at Santiago Canyon College.

## ACADEMIC HONORS

https://sccollege.elumenapp.com/catalog/2026-2027Catalog/honors#mainContent

### Academic Honors at Graduation

Academic honors are awarded to students who do outstanding coursework leading to graduation from Santiago Canyon College. The graduate must have completed at least 30 units of coursework within the Rancho Santiago Community College District of which 18 units or more must be letter grades of "C" or better.
Rancho Santiago Community College District coursework and all transfer work will be computed in the Honors designated GPA. Graduation honors are awarded as follows:
President's Scholar. See Honors Program and Honors CoursesWith Highest Honors. The highest honors designation is placed on the transcript and diploma of the graduate who has achieved an overall grade point average (GPA) of 4.0. With High Honors. The high honors designation is placed on the transcript and diploma of the graduate who has achieved an overall grade point average (GPA) of 3.8. With Honors. The honors designation is placed on the transcript and diploma of the graduate who has achieved an overall grade point average (GPA) of 3.5. Departmental Honors are awarded to students who do outstanding work in their majors. Eligibility is determined by inclusion in the academic honors categories listed above.

## ACADEMIC RENEWAL

Inasmuch as past performance does not always reflect accurately a student's actual ability, Santiago Canyon College has established a policy of academic renewal.

### Academic Renewal Without Course Repetition

To be eligible, the student must have completed at least 15 units with a 3.0 G.P.A or 24 units with a 2.0 GPA or higher in sessions subsequent to the substandard work being petitioned. All units from all colleges attended will be counted from the semester immediately following the substandard work.
The substandard academic renewal work will not count toward graduation or certification, and the permanent academic record shall be annotated in such a manner that all work remains legible. Up to 30 units combined of below "C" work at Santiago Canyon College/Santa Ana College may be disregarded in the computation of the grade point average. The student may choose the 30 units of substandard grades to disregard.
After a RSCCD associate degree or CSU- GE Breadth or IGETC certification is posted, academic renewal without course repetition is not accepted.
Academic Renewal Without Course Repetition is solely the policy of the Rancho Santiago Community College District and may not necessarily be followed by other institutions.
Academic Renewal Without Course Repetition may be granted multiple times by Santa Ana College and/or Santiago Canyon College but is limited to a total of 30 units.

RSCCD Academic Renewal Without Course Repetition is established pursuant to Title 5 section § 55046.

### Academic Renewal With Course Repetition

Only units taken at Santiago Canyon College and/or Santa Ana College may be considered for Academic Renewal With Course Repetition, not units taken at any other institutions.
A student who earned a D, F or NP grade may repeat the course once up to two times to improve the grade of the substandard work. Once a grade of D, F, or NP has been recorded, subsequent withdrawals (notations of W) will count toward the two allowable repeats. No more than two substandard grades for the same course may be alleviated and excluded from the Grade Point Average.
A student may not repeat a course to change a grade of C or above. Courses repeated under this provision will be indicated as repeated on the student's academic transcript.
Course repetition at Santiago Canyon College does not guarantee that other institutions will approve such an action. This determination will be made by the respective transfer institution.
For courses designated as non-repeatable (Title 5, §55041), only the first two substandard grades may be excluded in computing the student's grade-point average (Title 5, §55042(c)).
The petition is submitted to the Admissions and Records Office of the student's home campus (SCC or SAC). Please consult with a college counselor about any questions regarding Academic Renewal eligibility.

## ATTENDANCE & DROPS

### Drop for Non-payment Policy

Enrollment fees must be paid in full within 3 days of registration (including weekends and holidays) or all classes may be dropped and released to other students. The day you register is counted as day 1 of the 3 days.
Students are expected to attend all sessions of the classes in which they are enrolled. Students should report absences due to illness to the instructor prior to missing class.
A student may be dropped for not attending the first class meeting or for excessive absences when the total hours of absence exceed 10% of the total scheduled hours of the class.
Under extenuating circumstances, a student may be reinstated by the instructor. A student may also be dropped by the instructor when not appearing at the first class meeting.
It is the student's responsibility to withdraw officially from a course. Students are responsible for any and all charges incurred resulting from a failure to withdraw from classes within the refund period.

### Post-9/11 GI Bill® and VR&E Beneficiaries (Chapter 33 and Chapter 31 beneficiaries)

The Veterans Benefits and Transition Act of 2018 (Public Law 115-407) allows students that will be utilizing Ch. 33 or Ch. 31 VA benefits to attend a course of education or training for up to 90 days from the date the beneficiary provides a certificate of eligibility (COE), or valid authorization from VOC Rehab counselor. Students must submit all required certification request forms directly to the Veterans Resource Center (VRC) for processing. Submission of forms will allow students to attend the course until the VA provides payment to the institution without penalty or requiring to borrow additional funds to cover mandatory tuition and fees due to late payments from the VA. Any student that does not have 100% entitlement for Ch. 33 VA benefits, will be responsible for any remaining balance after the VA submits payments directly to the school. For further information, please contact the VSO directly.

### Basic Skills Course Limit

Students are limited to 30 units of transfer preparation and non-degree coursework. Students who reach 30 units
of transfer preparation and non-degree coursework are prevented from further registration. The student must complete a petition form and meet with a counselor who advises the student on a comprehensive student education plan or refers the students to continuing education.
A waiver is required beyond 30 units. Students must show a "C" or better or a 2.0 GPA in basic skills courses to qualify for a waiver. Waiver forms are available in the Admissions and Records Office and the Counseling Office.

### Career Technical Education (CTE) Transitions

Perkins Career and Technical Education Improvement Act of 2006 (Perkins IV) and it provides students an opportunity to earn college credit in an identified career pathway while still in high school. CTE Transitions focuses on helping Career Technical Education students' transition from high school to community college and on to the world of work. There is no cost to students participating in the CTE Transitions program. For more information on which courses articulate with the local Central Orange County Career Technical Education Partnership (CTEp), please contact the CTE Transitions Coordinator at (714) 628-4889, or
visit www.sccollege.edu/transitions

### Classification of Students

Special Admit- one who is concurrently enrolled in high school
Freshman - one who has completed 0-29 units
Sophomore - one who has completed 30 or more units
Graduate - one who has received an associate degree

### Computer & Network Use

# COLLEGE POLICIES AND PROCEDURES

The Rancho Santiago Community College District owns and operates a variety of information resources, including hardware, software, and Internet access. These information resources are provided solely for the use of RSCCD students, faculty, and staff (and employees rather than faculty/ staff?) in support of the education, research, academic development, and public service programs of RSCCD. RSCCD information resources provide access to information content and communication worldwide. Access to, and use of, these information resources is a privilege, which is to be used responsibly. RSCCD information resources users must respect the rights of other users, respect the integrity of the information resources, and observe all relevant RSCCD Board Policies, Administrative Regulations, and federal, state, and local laws. All students, faculty, and staff are responsible for seeing that these RSCCD information resources are used in an appropriate, effective, efficient, ethical, and lawful manner, including but not limited to the illegal downloading and/ or unauthorized distribution of copyrighted material, including peer-to-peer file sharing. Violations of Federal copyright laws may subject the violator to civil and criminal penalties as well as disciplinary action.
Administrative regulations establish rules and prohibitions that define acceptable use of RSCCD resources. Unacceptable use is prohibited and is grounds for loss of use of information resources, as well as discipline or legal actions as provided for under RSCCD Board Policy and federal, state, and local laws.

### Email

During the application process, students at Santiago Canyon College will provide an email account. This email address may be updated in Self-Service as desired by the student. The College will email students to share college information and as a means of communication regarding college business.

### Course Auditing

The Rancho Santiago Community College District does not allow students to audit courses.
Board Policy 4070, Ed Code 76370

### Course Repeatability and Repetition

State regulations (Title 5, sections 55040-55045) restrict the number of times a student may enroll in a course within a community college district. The number of times a student may enroll in a course is based on whether the course is designated "repeatable" or "non-repeatable." Any student registering to repeat a course not identified as repeatable or repeating a course more often than permitted may be dropped from the course.
Courses may be repeated only under the following circumstances:

### Substandard Work for Non-Repeatable Courses

A student has up to three enrollments in the same course (SCC and SAC combined) to receive a satisfactory grade. After three enrollments, the student can no longer register for the course within this college district. A repeat form must be completed in Admissions and reviewed by an Admissions Office administrator. The last grade earned will count in the GPA calculation. Courses repeated under the provisions of this section will be indicated as repeated on the permanent academic record of the student. A student may not repeat a course to change a grade of C or above.

### Significant Lapse of Time

Students may re-enroll in a course where the student has received a satisfactory grade of "C" (or Pass) or better in their last enrollment and there has been a significant lapse of time since completion of the course. California Code of Regulations defines a "significant lapse of time" as three (3) calendar years and an institution of higher education to which the student wishes to transfer has established a recency requirement that the student cannot satisfy without repeating the course (Title 5, §55043). Students must submit a petition to the Admissions and Records office to re-enroll in the course. Grades awarded for courses repeated under this provision shall replace the original grade. Only one repetition may be used for significant lapse of time (W grade counts towards repetition).

### Repeatable Courses

Repeatable Courses: As of January 2013, only three types of courses are repeatable under state regulations:
Courses for which additional enrollments are necessary to meet the major requirements of California State University or University of California for completion of a bachelor's degree. Such courses may allow for additional enrollments to allow the student to meet the lower division component of these major requirements. The number of maximum enrollments may not exceed four and might be fewer if the transfer institution requires fewer than four enrollments or if the course is related in content to other courses offered at the college.
Intercollegiate athletics. These courses include those in which student athletes are enrolled to participate in an organized competitive sport sponsored by the district or a conditioning course which supports the organized competitive sport. Student athletes are limited to no more than 350 contact hours within a fiscal year (July 1-June 30); they are permitted a maximum of 175 hours in courses dedicated to the sport and 175 hours in courses focusing on skill development and conditioning.
Intercollegiate academic or vocational competition. Such courses must be designed specifically for students to participate in non-athletic competitive events, the competitions must be between students from different colleges, the competition must be sanctioned by a formal collegiate or industry governing body, and participation in the event must be directly related to the course content. Students enrolled in these courses are required to participate in the academic or vocational competition.
Repeatable courses are identified in the catalog's course descriptions. A student may not re-enroll in a course to replace a grade of a course identified as repeatable in the college catalog. All grades earned within the repeatability sequence will count as completed courses regardless of grade earned.
For more information on course families, please reference the following page: Course Families

### Legally Mandated Training

Students may re-enroll in a course if the repetition is a requirement for continued paid or volunteer employment. Students must complete a petition and submit appropriate documentation to the Admissions and Records Office as evidence that a student is legally mandated to re-enroll in the course. All grades issued under this provision will count towards the students GPA.

### Significant Change in Industry or Licensure Standards

Students may be permitted to repeat a previously completed course if there has been a significant change in industry or licensure standards since the student last took the course such that the student could not obtain or maintain his or her employment or license without retaking the course and the student is required to repeat the course for employment or licensure. Students must complete a petition and submit appropriate documentation to the Admissions and Records Office.

### Extenuating Circumstances (Title 5, 55045, 58161)

Student must provide documentation of the extenuating circumstances (defined as verified cases of accidents, illness, or other circumstances beyond the control of the student). If approved, grades from last two attempts will be counted in GPA.

### Active Participatory Courses

Active participatory courses in physical education, visual arts, or performing arts (including but not limited to Art, Dance, Kinesiology, Music, and Theatre) that are related in content to one or more other courses have additional restriction on repeatability and repetition. Course are defined as being related in content when they have "similar primary educational activities in which skill levels or variations are separated into distinct courses with different student learning outcomes for each level or variation." Students are limited to four semester enrollments in courses that are related in content; this limitation applies even if an active participatory course is designated as repeatable. Students may repeat active participatory courses in which a substandard grade or W was received, however all enrollments count toward the four enrollment maximum.

### Honors Courses

A student who has completed a Santiago Canyon College Honors course and who has received a substandard grade may re-enroll in the course without the Honors notation attached to the course number. If a student participating in the Santiago Canyon College Honors program chooses to re-enroll in the non-Honors version of the course, there will be consequences relating to participation in the Honors program. Please refer to the Honors Program and Honors Courses section of the catalog.

### RSCCD's Board Policy and Administrative Regulation on Course Repetition

BP 4225 Course Repetition
AR 4225 Course Repetition

### Credit for Prior Learning and Credit by Examination (CBE) Eligible Courses

AEL 051
Arts, Humanities, and Social Sciences/Library: CJ 101

# COLLEGE POLICIES AND PROCEDURES

Mathematics and Sciences: MATH 140, 171, 180, 219; PHYS 150AC, 150BC Board Policy 4235 Credit for Prior Learning Administration Regulation 4235 Credit for Prior Learning Reference(s):
Education Code Section 79500Title 5 Section 55050, 55051,55052,and 55052.5Students may demonstrate proficiency in a course eligible for Credit for Prior Learning and receive college credit through 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 an examination administered by other agencies approved by the District,
- Evaluation of industry-recognized credential documentation,
- Evaluation of student-created portfolios, and/or
- Satisfactory completion of an institutional examination, known as Credit by Examination, administered by the college in lieu of completion of an active course listed in the current college catalog.

**Determination of 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.
- Current students must have an education plan on file.
- The course is listed in either the current Santa Ana College or Santiago Canyon College Catalog.
- The student is not currently enrolled in the course to be challenged.
- AP, CLEP, and IB Exam course credit and units granted to a local Associate of Arts or Associate of Science may differ from course credit and units granted by a transfer institution. Policy and credit limitations will be available in the current college catalog.
- Credit by Examination: The student is registered in the District and not currently enrolled in nor received credit for a more advanced course in a sequence in the same subject (may be waived by department). Credits acquired by examination are not applicable to meeting of such unit load requirements as Selective Service deferment, Veterans, or Social Security benefits.

Credits acquired by examination shall not be counted in determining the 12 semester hours of credit in residence required for an Associate degree.

**Prior Learning Assessment Grading Policy**

- Grading shall be according to the regular grading system in accordance with Administrative Regulation (AR) 4230 Grading and Academic Record Symbols.
- Students shall be offered a "Pass/No Pass" option, in accordance with Administrative Regulation (AR) 4232 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 gradeassigned by the faculty, and in cases of Credit by Examination, pursuant to AR 4230 Grading and Academic Record Symbols and AR 4231 Grade Changes.

**Transcription of Credit for Prior Learning**

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

**Advanced Placement Credit**

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

- Achievement of a score of 3, 4, or 5 on an Advanced Placement Examination administered by the College Board. Advanced Placement official score reports must be on file in the Admissions and Records Office.
- The student achieved a minimum acceptable score on the AP examination as outlined by Santa Ana College or Santiago Canyon College Advanced Placement policies.

**International Baccalaureate**

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

Official IB transcripts must be on file in the Admissions and Records Office.

The student achieved a minimum acceptable score on the IB examination as outlined by Santa Ana College or Santiago Canyon College International Baccalaureate policies.

**College Level Examination ProgramStudents 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 the Admissions and Records Office.
- The student achieved a minimum acceptable score on the CLEP examination as outlined by Santa Ana College or Santiago Canyon College College Level Examination Program policies.

**Credit for Military Service/Training**

Students interested in Credit for Prior Learning using Joint Service Transcripts shall receive credit as recommended by theAmerican 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 form available in the Counseling or Admissions and Records Office.
- Official transcripts must be on file in the Admissions and Records Office. 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 DD295 military records.

- Credit course equivalency shall be determined by the faculty of the appropriate discipline.

**Industry Recognized Credentials**

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:

- The student shall complete the Credit for Prior Learning assessment form available in the Counseling or Admissions and Records Office.
- Enrollment services shall grant credit for industry-recognized credential(s) that have already been evaluated and approved by
- the appropriate department chair or faculty designee.
- 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.

If the department chair or faculty designee determines the industry certification adequately measures mastery of parts or all of the course content as set forth in the Course Outline of Record, the appropriate faculty may recommend additional

# COLLEGE POLICIES AND PROCEDURES

aforementioned alternative assessment methods or sign the form with the recorded grade, attach the industry-recognized credential(s), and forward appropriate forms and documentation to the Admissions and Records Office to be kept on file and recorded on the student transcript.

**Student-Created Portfolio Assessment**

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.
- The student shall complete the Credit for Prior Learning assessment form available in the Counseling or Admissions and Records Office.
- 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.
- If the department chair or faculty designee determines the student-created portfolio adequately measures mastery of parts or all of the course content as set forth in the Course Outline of Record, the appropriate faculty may recommend additional aforementioned alternative assessment methods or sign the form with the appropriate grade and forward appropriate forms and documentation to the

Admissions and Records Office to be kept on file and recorded on the student transcript.

**Credit by Examination (CBE) from Within the District**

The District will award college course credit for successful completion of a Districtexamination administered by the appropriate departmental faculty under the following circumstances:Achievement of a grade that qualifies for CBE through completion of articulated high school or adult education courses. Students who wish to earn course credit through CBE through using completion of articulated high school or adult education courses must complete the required petition at either Santa Ana College or Santiago Canyon College (High School/ROP Completion of Articulation Course/Career Transitions Articulated Pathways) and be currently enrolled in at least one credit class at the time of petition.

Credit by satisfactory completion of an examination administered by the department involved in lieu of completion of a course listed in the SantaAna College or Santiago Canyon College Catalog.

The Department Chair or faculty designee shall determine whether or not a student requesting CBE is sufficiently well prepared to warrant being given this opportunity.This determination is based upon a review of previous coursework and/or experience. Students wishing to earn course credit through CBE are 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 form for Credit by Examination shall not be processed. The form for CBE must be completed prior to the end of the current semester or session.

The District Credit by Examination (CBE) Process: 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 CBE may require the demonstration of other skills or the completion of assignments in addition to an examination.

Students interested in Credit for Prior Learning using CBE shall receive credit asrecommended by the appropriate department chair or faculty designee under the following circumstances:

**The Credit by Examination (CBE) Procedures**

Student shall complete the Credit for Prior Learning assessment form along with any documentation of prior learning.The required form shall be available in the Counseling or Admissions and Records Office.

- Student meets with the department chair or faculty designee for further instructions for CBE.The dean and department chair or faculty designee will determine whether a departmental or a standardized examination is to be administered and when and where it shall be.
- If the department chair or faculty designee determine the CBE assessment measures mastery of all of the course content as set forth in the Course Outline of Record (COR), the appropriate faculty member shall sign the form with the recorded grade and forward appropriate forms and documentation to the Admissions and Records Office to be kept on file and recorded on the student transcript. If a faculty member determines that the assessment measures mastery of only parts of the COR, the faculty member may recommend additional aforementioned alternative assessment methods. Completed exam materials must remain on file with the department/program for three years.

**High School or Adult Education to College Articulation - Credit by Examination (CBE) Procedures**

Students shall complete the appropriate petition at Santa Ana College or Santiago Canyon College (High School/ROP Completion of Articulation Course/Career Transitions Articulated Pathways). The petition shall be forwarded to the appropriate Division/Department for approval.

In order for a student to receive CBE, the student must apply online to one of the colleges in RSCCD and register in at least one college credit class at the time of the petition.Timeline for credit to be claimed by the student is based on the existence of a signed articulation agreement for the year the student took the course.A recency requirement may be applicable based on industry standards.

A letter grade will be assigned, and the course will be identified as CBE on the transcript in accordance with the official final grade received for the full term of the course being petitioned for college credit.Once assigned, a grade is not reversible. The letter grade will be posted on the transcript in the semester the petition was approved.

Students who are unsuccessful in obtaining a grade of B or better for the full term of the course will not be allowed to petition for credit and no record of the attempt for CBE will appear on a student's transcript. The enrollment fee for CBE will not be charged for credit awarded under this provision.Responsible Manager: Office of Academic Affairs September 17, 2018 December 7, 2020

**Drug Free Environment and Drug Prevention Program**

Board Policy 3550 Drug Free Environment and Drug Prevention Program

Reference(s): Drug Free Schools and Communities Act, 20 U.S.C. Section 1011i, 34 C.F.R. Section 86.1 et seq., Drug Free Workplace Act of 1988, 41 U.S.C. Section 8103.

The District shall be free from all drugs and from the unlawful possession, use or distribution of illicit drugs and alcohol by students and employees.

The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in all facilities under the control and use of the District.

Any student or employee who violates this policy will be subject to disciplinary action (consistent with local, state, or federal law), which may include referral to an appropriate rehabilitation program, suspension, demotion, expulsion or dismissal.

Drug addiction is a complex disorder that can involve virtually every aspect of an individual's functioning – in the family, at work and school, and in the community.

The Chancellor shall assure that the District distributes annually to each student the information required by the Drug-Free Schools and Communities Act Amendments of 1989 and complies with other requirements of the Act.

Special Requirements for Employees Engaged on Federal Contracts and Grants:

The Drug-Free Workplace Act of 1988 (Public Law 100-690, Title V, Subtitle D) requires that district faculty and staff directly engaged in the performance of work on a Federal contract or grant shall abide by this policy as a condition of employment and shall notify the district within five days if they are convicted of any criminal drug statute violation occurring in the workplace or while on district business.The district is required to notify the Federal contracting or granting agency within ten days of receiving notice of such conviction, take appropriate corrective action, or require the faculty or staff member to participate satisfactorily in an approved drug-abuse assistance or rehabilitation program.

Revised: August 19, 2013 (Previously BP3523)

# COLLEGE POLICIES AND PROCEDURES

Revised: February 25, 2019

**Dual Enrollment**

The steps listed below allow high school students to take and receive college credit. Download the Special Admit Form at www.sccollege.edu/SAF and obtain approval from your high school to enroll at Santiago Canyon College. Only approved signatures from your high school will be accepted. Signatures that do not match what Santiago Canyon College has on file will not be accepted. For a list of approved signatures from your high school, please contact the Admissions and Records Office.

- All college class prerequisites must be met.
- Math and English placement testing are not required. High school performance and/or Guided Self-Placement will be used to provide the student with course recommendations.
- Any student who is not yet 15 years of age or below 9th grade must have approval from the Santiago Canyon College Division Dean.
- Any Special Admit student below the 9th grade as well as any Special Admit student who registers as a full-time student will be charged the regular community college enrollment fees.
- Santiago Canyon College will charge enrollment fees to nonresident students who hold an F1/F2 visa. F1/F2 students are not exempted from enrollment fees.
- Special Admit students by law do not have priority registration.

**Enrollment Priority**

The state of California has adopted a law under Title 5 Regulation 58108, establishing enrollment priorities for students attending California Community Colleges. Districts shall provide highest and equal priority to students eligible for registration priority who are:

- A member of the armed forces or a veteran pursuant to Education Code section 66025.8, A foster youth or former foster youth pursuant to Education Code section 66025.9,
- Determined to be eligible for Disabled Student Program and Services as set forth in Education Code section 66025.91, Receiving services through the Extended Opportunity Programs and Services as set forth in Education Code section 66025.91, or
- Receiving aid from the California Work Opportunity and Responsibility to Kids Program as set forth in Education Code section 66025.92
- A student parent who has a child or children under 18 years of age who will receive more than half of their support. Education Code Section 66025.81Registration times will be assigned each term to students in the following order: Title 5 mandated groups (see above)
- Continuing students by units completed at R.S.C.C.D.
- New/returning students
- Loss of Priority students and those who have completed 100 or more degree applicable units at R.S.C.C.D.
- Special Admits
- Check online for enrollment priority dates

**Loss of Enrollment Priority**

Continuing students at Santiago Canyon College will lose their enrollment priority for the following reasons: The student has attempted 12 units and their RSCCD cumulative GPA has fallen below 2.0 for two consecutive semesters and is on academic probation

- The student has attempted 12 units and the percentage of all coursework at SCC/SAC has an entry of "W", "I", "NP", and "NC" which reaches or exceeds fifty percent (50%). § 55031
- The student has earned 100 or more degree-applicable units from Santiago Canyon and Santa Ana CollegesStudents who have SCC as their home campus can submit a petition for appeal to the Admissions Office at SCC. Students who are not in good academic standing can appeal for one of the following reasons:
- there were extenuating circumstances (verified cases of accident, illness) and can provide documentation; the student can demonstrate SIGNIFICANT academic improvement in a subsequent term.

Students who have earned 100 or more degree-applicable units can appeal if they have declared a high unit major and are currently working toward a degree. Forms for these appeals can be obtained in Admissions and Records or downloaded from the college website.

**Experimental Courses**

The college may offer Experimental courses, N98 (non-degree applicable), 098 (non-transfer), or 198 (transfer) under any discipline listed in the announcement of courses. Experimental courses are specialized courses on topics related to students' immediate and changing needs. A student who received a satisfactory grade in an Experimental course may not re-enroll in a course with the same discipline name and number, even though the topics may differ.

**Family Education Rights and Privacy Act (FERPA)**

As required under the provisions of the Family Education Rights and Privacy Act of 1974, Santiago Canyon College will make public without student consent only certain directory information. This consists of the following: a student's name; city of residence; major field; participation in officially recognized activities and sports; weight, height and age if a member of an athletic team; dates of attendance; degree and awards received; and the most recent previous educational institution or agency attended by the student.

A student initially agrees or denies a FERPA release at the point of application. However, a student may come to Admissions at any time to opt out of the FERPA disclosure or agree to the release of directory information. Admissions Forms: "FERPA Consent to Release" or "FERPA Consent NOT to Release" directory information.

All student expulsions will be noted on the official college transcript.

The Family Education Rights and Privacy Act of 1974 provides colleges the right to consent to disclose personally identifiable information contained in the student's education records to third party vendors who are identified as School Officials and who have legitimate educational interests. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his/her professional responsibility.

A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including district safety personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees or a member of an official college committee.

Santiago Canyon College contracts with the following School Officials:

- Auditors (Vicenti-Lloyd-Stutzman)
- Barbering/Cosmetology
- Unilateral Training Committee
- California/Nevada Training Trust
- CCCApply (Unicom)
- Parchment (Online transcript request)
- Ellucian Colleague
- ECS Imaging (optical imaging)
- Electrical Training
- Trust Image Now (optical imaging)
- Medpro and Quest (Health Center)
- Metropolitan Water District of Southern California National Student Clearinghouse
- Operating Engineers Training Trust SARS (Counseling center)
- Santa Ana Beauty Academy
- Southern California Surveyors
- Southwest Carpenters Training Fund
- Xerox

**Free Expression**

Santiago Canyon College supports liberal policies regarding free speech for individual students, college staff, nonofficial college groups, and visiting speakers. Please refer to Board Policy (BP 3900) for specific information.

**General Grievances**

Most complaint or grievance matters should be resolved at the department/division dean level. If a complaint does not fall into one of the previously mentioned, please see the dean that supervises the department.

**Procedure**

1. Students shall first confer with the person who took the action or made the ruling to which they object no later than ten (10) days following the event which prompted the grievance.

# COLLEGE POLICIES AND PROCEDURES

2. The Associate Dean of Student Development will assist the student in arranging an appointment between the student and staff member.
3. If the difference is not satisfactorily resolved, the student shall confer with the person's supervisor.
4. The Associate Dean of Student Development will assist the student in arranging an appointment between the student and the staff member's supervisor.
5. If the grievance is still unresolved, the student may file a written statement setting forth the nature of the grievance on the prescribed form with the Vice President of Student Services, no later than ten (10) days after conferring with the person's supervisor.
6. The grievance form shall be completed in full and shall include a full description of the grievance, times, dates and pertinent facts and the remedy sought by the student.
7. A Student Grievance Staff Response form will be sent to both the staff member and a supervisor for completion. The Vice President of Student Services shall select a Student Grievance Panel. The administrator involved then shall forward the completed forms to the panel chair for review and recommendation. The panel shall have the power to make an appropriate investigation of the grievance and shall state the findings and make a recommendation.
8. If the grievance is sustained by the panel, it will recommend appropriate action for relief of the grievance and communicate this in writing to the person(s) to whom the grievance was directed. If the findings of the panel do not sustain the grievance, the panel shall communicate this finding in writing to the student who filed the grievance. The ruling of the Student Grievance Panel is final.

**Student Grievance Panel Structure**

one non-voting chair (except in situations of a tie vote) one student representative
one classified representative one faculty representative one administrative representative

**Other Possibilities for Complaints/ Grievances**

Information on student grievance procedures is available at Santiago Canyon College. Grievances should be filed with the Associate Dean of Student Development, in room A-201. Complaint and/or grievance issues that are not resolved at the campus level may be presented to the agencies provided below.

- If your complaint is associated with the institution's compliance with academic program quality and accrediting standards, contact the Accrediting Commission for Community and Junior Colleges (ACCJC)
- If your complaint does not concern California Community College's (CCC) compliance with academic program quality and accrediting standards, complete the CCC Chancellor's Office Web form
- If your complaint involves unlawful discrimination, contact the Chancellor's Office Web site

## GRADE GRIEVANCES

**Procedures for Student Grievances Regarding Grades**

Education Code 76224 states: When grades are given for any course of instruction taught in a community college district, 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.
ProcedureStudents may request a grade change no later than one year following the awarding of the original grade. Student shall meet with the instructor to discuss the grade.

- If the issue is not resolved and the student believes that the grade is based on mistake, fraud, bad faith, or incompetency (EC 76224), he/she may appeal in writing to the Division Dean. Forms for the written appeal may be found in Division offices or by searching the Santiago Canyon College website.
- The student may be requested to set up an appointment with the Division Dean to discuss the written grievance.
- The Division Dean will review the allegations and consult with the instructor.
- The Division Dean will review the issue and will notify the student and instructor in writing of his/her decision. The decision of the Division Dean is final.

**Grade Notification**

Grades are available on Self-Service upon grade submission by the instructor.

**Discrimination Complaints**

Rancho Santiago Community College District is committed to maintaining an inclusive community that values diversity and fosters tolerance and mutual respect. We embrace and encourage our community differences in race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, or sexual orientation of any person, or military and veteran status, or because they are perceived to have one or more of the foregoing characteristics. These characteristics make our community unique. All individuals have the right to participate fully in the District's programs and activities free from discrimination, harassment, and retaliation on the basis of any protected category.
Rancho Santiago Community College District prohibits discrimination and harassment of any kind on the basis of age, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, or sexual orientation of any person, or military and veteran status, or because they
are perceived to have one or more of the foregoing characteristics in the programs and activities that it operates, and is required by federal law not to discriminate.

The prohibition on harassment includes sexual harassment, as well as sexual misconduct, dating and domestic violence, and stalking. For more information regarding the RSCCD's commitment to fostering an educational environment free of discrimination or harassment on the basis of gender or sexual orientation, including dating violence, domestic violence, sexual assault, and stalking, please contact the Title IX Coordinator or visit www.rsccd.edu/titleix. The following people have been designated to handle inquiries and address reports or complaints regarding the District's non- discrimination policies.
Individuals wishing to file a Complaint of unlawful discrimination, harassment, or retaliation may, but are not required, to use the form prescribed by the California Community College Chancellor's Office. This form, once completed, can be emailed to CivilRights@rsccd.edu.

**Unlawful Discrimination Complaint Form**

Title IX Coordinator and Section 504/ADA Coordinator
Sil Han JinInterim Assistant Vice Chancellor Telephone: (714) 480-7518
civilrights@rsccd.edu

**Grades & GPA**

Grades are based upon the quality of work completed, that is, upon actual accomplishment in courses offered for credit. Credit by examination, Class In Progress (CIP), Incomplete (I), Pass/No Pass (P or NP), Reports Delayed (RD), and Withdrawals (W, EW, or MW) are not figured into Grade Point Averages (GPA). The grade point average is computed by dividing all other units attempted into all grade points received. The meaning of each Grade and its value in Grade Points is as follows:

**Grade & Grade Points**

**A** - Excellent 4 (per unit earned)
**B** - Good 3 (per unit earned)
**C** - Satisfactory 2 (per unit earned)
***D** - Passing, less than satisfactory 1 (per unit earned)
***F** - Failing 0 (per unit attempted)
*Does not satisfy prerequisite requirements.

**P** - Pass 0 (per unit earned)
**NP** - No Pass 0 (per unit attempted)
**W** - Withdrawal 0 (no units earned)
**EW** - Excused Withdrawal 0 (no units earned)
**MW** - Military Withdrawal 0 (no units earned)
**I** - Incomplete 0 (no units earned)
**RD** - Report delayed 0 (no units earned)
**IP** - In Progress; symbol is used only in courses that extend beyond the normal end of an academic term. The appropriate grade and unit credit shall be assigned and replace the IP symbol once the course is completed.
**CIP** - Class in Progress; symbol is used for courses within the academic term that has not yet ended. The appropriate grade and unit credit shall be assigned and replace the CIP symbol at the end of the academic term.

**Incomplete Work**

When a student has attended regularly but because of illness or other unavoidable circumstances is unable to

# COLLEGE POLICIES AND PROCEDURES

complete coursework or take the final examination, a grade of "I" may be assigned. If an "I" is issued, the instructor completes the Incomplete Grade Form which includes the condition(s) for removal of the "I", and the grade to be assigned if the condition(s) are not completed. A student may not re-register in the same class if an Incomplete grade is pending. The work thus missed must be made
up no later than one year following the end of the term in which it was assigned. A student may petition the instructor for a time extension due to unusual circumstances. It is the student's responsibility to contact the instructor in such cases.
A final grade will be assigned when the work stipulated has been completed and evaluated according to the conditions set forth by the instructor or when the time limit for completing the work has passed. If condition(s) are not met after one year, the incomplete grade will be changed to an "F" grade or the grade specified by the instructor on the Incomplete Grade Form.

**Independent Study**
Independent study allows students to pursue projects under faculty advisement and supervision. The projects may be
directed at field experience, research, or developing skills and competencies. Transfer credit is indicated as Independent Study 199. Independent study projects usually are for one unit of credit and require a minimum of 54 hours of directed work per unit of credit. Within the 54-hour minimum, the instructor meets with each student weekly for at least one hour or at least 16 hours for each one- unit project. The proposed project must be approved by the supervising instructor and the dean, with notification to the Vice President of Academic Affairs. Independent study is offered on a Pass/No Pass basis.
Independent study projects are typically undertaken in the department or division of the student's academic major. Exceptions to this rule must be approved by the division dean of the student's academic major and the division dean to whom the student is applying for an exception.
To be eligible for independent study, a student must be concurrently enrolled in at least one other class at either Santiago Canyon College or Santa Ana College and show evidence of competence in the academic major and in the area of proposed independent study.
Administrative Regulation 4101 Independent Study
Reference(s):
Title 5 Sections 55230, 55232, 55234, 55236, 55238, 55240

**Lost and Found**
In the event of losing an item on campus, please contact Safety and Security either in person in S-100 or by telephone at (714) 628- 4730. An officer will review the lost and found register to see if your item has been found. If so, you may claim your item with approved identification. In the event the item has not been found, the officer will record a description of the item and your contact information in order to contact you if the item is found. All lost items will be stored until the fourth week of the following semester. Any unclaimed items will be donated to a local thrift store.

**Online Drop Policy**
Students are expected to complete regular and substantive coursework in online classes. In the context of distance education, coursework will be used to determine student attendance. Simply logging into an online class is not sufficient to demonstrate academic attendance by the student. Examples of coursework for online classes might include, but are not limited to, class discussions, completed assignments, completed quizzes or exams, group work, etc. Students who fail to submit substantive coursework by the due date may be dropped from the class. Failure to communicate with the professor may also be considered non- attendance. Students submitting assignments or other work that is generated by artificial intelligence (AI) when AI is not permitted, work that is submitted in a language other than the language required for the class, or documents that are unreadable due to a technical error may also be considered an absence. Completing an assignment on the first day of the class may also be required in order to avoid being dropped from the class. Students may be dropped when the lack of substantive coursework exceeds 10% of the total, as estimated by the professor. Please refer to the class syllabus and the class section information, found in the class schedule, for specific attendance (regular and substantive coursework) requirements.

## PARKING

**Campus Parking Information**
RSCCD requires parking permits for student and staff lots at Santiago Canyon College during the fall and spring semesters and summer session. Parking permits are not required during intersession. Virtual parking permits must be purchased on or before the first day of the semester/session. There is no grace period. Students are strongly encouraged to purchase their Virtual Parking Permits via Self- Service when they register for classes. Virtual parking permits may also be purchased using the link on the Safety & Security website. Day permits may be purchased through dispensers located in parking lots 1, 2, 3, 4, 5, 6 and 7. The purchase of your permit helps fund parking services and vehicle security when parked on campus.

**Disabled Student Parking**
Several areas on campus are designated for disabled parking. Vehicles in these areas are required to display a state temporary placard or special state license plate *and* possess a valid virtual permit.
District permits are available in the Disabled Students Programs and Services, E-105.

**Citation Information**
Vehicles that do not possess either a current virtual parking permit or a daily parking permit will be issued a citation. Other citations will be issued if students park their vehicles in reserved parking or staff stalls. Disabled parking spaces are strictly enforced with citations of $350 being issued to vehicles that violate the regulations. More information on parking citations and enforcement can be found on the SCC website at www.sccollege.edu/parking. A listing of all campus parking and traffic regulations can be found at www.sccollege.edu/Departments/Security/Pages/parking-regulations.aspx

**Refund of Parking Fee**
Students who withdraw from full-semester classes through the first two weeks of instruction may request a refund of their parking permit through the cashier's office.
No refund will be allowed after the second week of instruction. Receipts must be presented.

**Parking Lot Disclaimer**
Rancho Santiago Community College District is not responsible for damages to, loss of, or thefts from vehicles parked on campus, except as defined under the applicable Government Codes of California, including [810-966.6].

**Pass/No Pass**
Pass/No Pass encourages students to explore academic areas outside a major field.
Courses in the student's major field may not be taken under the Pass/No Pass policy except for major courses for an Associate Degrees for Transfer (ADT), courses for which Pass/No Pass is the only grading option, and units earned through Credit by Examination (CBE) or assessment.
Every university has a limitation on the number of courses/units that can be taken for Pass/No Pass and applied to graduation and may require General Education taken Pass/No Pass to be retaken for a letter grade. Universities sometimes prefer that students have letter grades in English, mathematics, speech, and critical thinking courses. Courses that meet major requirements must be taken for a letter grade. Also, Pass/No Pass grades could have a negative effect on scholarships and international students. In addition, students who plan to pursue graduate or professional studies later are advised to be selective in opting for courses on a Pass/No Pass basis.
Except as in item number one above, a maximum of 6 Pass/No Pass units may be carried during any one semester.
A maximum of 14 Pass/No Pass units is allowed for any degree program. This does not include units taken under credit by examination or assessment, or units earned in courses for which Pass/No Pass is the only grading option.
Pass/No Pass petitions are available at the Admissions and Records Offices. The Pass/No Pass petition must be signed by a counselor and be submitted to Admissions and Records by the last day of instruction. Pass/No Pass status cannot be changed back to a letter grade after the deadline has passed. Rancho Santiago Community College District

**ADMINISTRATIVE REGULATION**
Chapter 4
Academic Affairs
AR 4232 Pass/No Pass
References: Title 5 Section 55022

Courses may be offered in either or both of the following categories:

- Courses in which all students are evaluated on a "pass-no pass" basis.
- Courses in which each student may elect to take the course on a "pass-no pass" basis.
- A student electing to be evaluated on the "pass-no pass" basis will receive both course credit and unit credit upon satisfactory completion of the course. In computing a student's grade-point average, grades of "pass-no pass" are omitted.

# COLLEGE POLICIES AND PROCEDURES

- A pass grade is granted for performance that is equivalent to the letter grade of "C" or better. A student who fails to perform satisfactorily will be assigned a "no pass" grade.
- The student is held responsible for all assignments and examinations required in the course.
- The standards of evaluation are identical for all students in the course.

The following guidelines apply to courses taken for pass-no pass as designated by each College Catalog:

- Courses in the student's major field may not be taken under the Pass/No Pass policy except as designated. Honors courses cannot be taken for Pass/No Pass.
- Courses that meet major requirements must be taken for a letter grade. Also, Pass/No Pass grades could have a negative effect on scholarships and international students. In addition, students who plan to pursue graduate or professional studies later are advised to be selective in opting for courses on a Pass/No Pass basis.
- A maximum of 6 Pass/No Pass units may be carried during any one semester.
- A maximum of 12 Pass/No Pass units is allowed for any degree program. This does not include units taken under credit by examination or assessment.
- Pass/No Pass petitions are available at the Admissions and Records Offices. The Pass/No Pass petition must be signed by a counselor and be submitted between the first and fifth week of the fall and spring terms (for full semester classes) or by the first thirty percent (30%) of the class meeting dates (for short term classes), whichever is less.
- Pass/No Pass status cannot be changed back to a letter grade after the deadline has passed. Pass indicates a "C" or better.
- Pass/No Pass grades are accepted for certification in all areas. However, letter grades may be recommended or required for specific courses in a given major. Each CSU campus may also limit the total number of units graded Pass.
- For a certificate, a Pass/No Pass course is acceptable if it is required for the certificate and (a) offered on a Pass/No Pass basis only or (b) if the Pass/No Pass is earned on the basis of credit by examination.
- For Associate Degrees, units earned at a regionally accredited college or university on a Pass/ No Pass basis will be counted toward the degree requirements of the college, to a maximum of 15 units.
- Every university has a limitation on the number of courses/units that can be taken for Pass/No Pass and applied to graduation and may require General Education taken Pass/No Pass to be retaken for a letter grade.

## PHOTOGRAPHY

Santiago Canyon College, a non-profit California Community College, reserves the right to use photography and video images of students and visitors, age 18 and older, taken on our property and at college-sponsored events for marketing and promotional purposes. Objection to the use of an individual's photography may be made in writing to
Public Affairs and Publications
RSCCD District Office
2323 N. Broadway, Suite 328
Santa Ana, CA 92706

## PREREQUISITES, COREQUISITES, AND ADVISORY

Santiago Canyon College has adopted a policy on course prerequisites, corequisites, and advisories in order to provide for the establishing, reviewing, and challenging of prerequisites, corequisites, advisories, and certain limitations on enrollment in a manner consistent with law and good practice. The policy, which is specified for implementation as an administrative regulation, is established pursuant to regulations contained in section 55003 of Chapter 6 of Title 5 of the California Code of Regulations. The RSCCD Board of Trustees recognizes that if these prerequisites, corequisites and limitations are established unnecessarily or inappropriately they constitute unjustifiable obstacles to student access and success and, therefore, the board adopts this policy which calls for caution and careful scrutiny in establishing them. Nonetheless, the board also recognizes that it is as important to have prerequisites in place where they are a vital factor in maintaining academic standards and in assuring the health and safety of students as it is to avoid establishing prerequisites where they are not needed. For these reasons, the board has sought to establish a policy that fosters the appropriate balance between these two concerns.

### Important Definitions

It is very important to understand the definitions of the terms Prerequisites, Corequisites, and Advisory. Note that prerequisites and corequisites may be challenged. See Prerequisite Challenge Policy, for more information.

Prerequisite indicates a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite represents a set of skills or a body of knowledge that a student must possess prior to enrollment and without which the student is highly unlikely to succeed in the course or program. Students will not be permitted to enroll in such courses and programs without the appropriate prerequisite. All prerequisite
courses must be completed with a letter grade of "C" or better.

Corequisite indicates a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. A corequisite represents a set of skills or a body of knowledge that a student must acquire through concurrent enrollment in another course and without which the student is highly unlikely to succeed. Students must concurrently enroll in the corequisite course.

Advisory indicates that while a course is not required prior to enrollment, it is highly advised in order to strengthen the likelihood of success in subsequent courses.

### Prerequisite Policy

Prerequisite means the preparation or previous course work considered necessary for success in the course. The College requires students to complete prerequisites as pre-enrollment preparation. Prerequisites which are listed in the College Catalog include:

Courses for which specific prerequisites have been established, Sequential course work in a degree-applicable program, and

- Courses in which an equivalent prerequisite exists at a four-year transfer college or university.
- Questions about prerequisites are best resolved with a counselor or instructor prior to the first day of class.

### Prerequisite Challenge Process

A prerequisite challenge requires written documentation, explanation of alternative course work, and/or background or abilities which adequately prepare the student for the course. A Prerequisite Challenge Form can be obtained from the appropriate instructional office. Prerequisites may be challenged for one or more of the following reasons:

- The college has not developed the prerequisite according to its established procedures or has not developed the prerequisite in accord with existing statutes.
- The prerequisite is discriminatory or is being applied in a discriminatory fashion. The college has not made the prerequisite course reasonably available.
- The student has documented knowledge and abilities equivalent to those specified in the prerequisite course.
- The challenge will be reviewed by a committee consisting of the dean, or designee, department chair, or designee, and one department or division representative or designee.

If space is available in a course when a student files a challenge to the prerequisite or corequisite, the district shall reserve a seat for the student and resolve the challenge in a timely manner. If no space is available in the course when a challenge is filed, the challenge shall be resolved prior to the beginning of registration for the next term and, if the challenge is upheld, the student shall be permitted to enroll if space is available when the student registers for that subsequent term.

**NOTE: Students who are challenging a course which is a requirement for a degree or certificate may wish to use the Credit by Examination process to receive credit for the challenged course.**

Specific regulations and procedures relating to course prerequisites, corequisites, and advisories are on file in the office of the Vice President of Academic Affairs at Santiago Canyon College.

### Student Right to Appeal

# COLLEGE POLICIES AND PROCEDURES

A student has the right to appeal an exception to a current Santiago Canyon College academic policy, including academic probation and progress probation, to be made on their behalf. The student must complete and submit a petition. Petitions are obtained and submitted to the Admissions Office. Students must provide valid justification and documentation to support their request. The Exceptions to Academic Regulations Committee will review and make decisions on all requests. Students will be informed of the outcome in a timely manner. Petitions are obtained and submitted to the Admissions Office.
Board Policy 4260 Prerequisites and Corequisites
Administrative Regulation 4260 Course Prerequisites, Corequisites and Advisories Reference(s):
Title 5 Sections 55000 and 55003

### Publicity

All announcements, publicity and advertisements posted on college facilities must be approved by the Administrative Services Office in A-204.

### Sequential Courses

Courses arranged in order of sequence (i.e., beginning, intermediate, and advanced) must be taken chronologically. Students may not enroll in a lower-level course after passing a higher-level version of the same course. (e.g., enrolling in Basic Aerobics after passing Intermediate Aerobics).

## SEXUAL ASSAULT AND OTHER ASSAULTS ON CAMPUS (TITLE IX)

### Sexual Misconduct, Intimate Partner Violence, and Stalking

Any sexual misconduct or physical abuse, including, but not limited to, rape, as defined by California law, whether committed by an employee, student, or member of the public, that occurs on or off district property, is a violation of district policies and procedures and is subject to all applicable punishment, including criminal procedures, civil litigation, and employee or student discipline procedures. Students, faculty, and staff who report sexual misconduct, dating or domestic violence (intimate partner violence), and stalking shall be treated with dignity and provided comprehensive assistance.
The District has established administrative procedures that ensure that students, faculty, and staff who are victims of sexual and other forms of misconduct receive appropriate information and treatment and that educational information about preventing sexual violence is provided and publicized as required by law (please see Administrative Regulation 3540 for complete procedures). The use of alcohol or drugs never makes the Complainant at fault for reports of misconduct, intimate partner violence, or stalking; therefore, Complainants should not be deterred from reporting incidents out of a concern that they might be disciplined for related violations of drug or alcohol policies. Except in extreme circumstances, Complainants shall not be subject to discipline for related violations of the Standards of Student Conduct.
Santiago Canyon College has the resources to assist and refer students who experienced sexual misconduct, dating or domestic violence, and stalking. Immediate care and confidential counseling can be provided by the Student Health and Wellness Services, in Building T-102 or call (714) 432-6858. When the Student Health and Wellness Services is closed, contact Campus Safety and Security (not a confidential resource) directly in U-90 or call (714) 628-4730. If you have questions regarding an allegation, specific behavior, or if you would like to discuss a concern with an administrator, please contact the Title IX Coordinator at (714) 480-7404.
The following are additional off-campus resources:

**WayMakers OC**
949-831-9110
***waymakersoc.org***

**HumanOptions**:
1-877-854-3594
***humanoptions.org***

**Supporting Survivors**
714-517-6100
***www.ochealthinfo.com/bhs/services/ support/ss***

**Laura's House**
866-498-1511
***www.laurashouse.org***

**National Suicide Prevention Lifeline:**
1-800-273-8255
***suicidepreventionlifeline.org***

**Rape, Abuse & Incest National Network**:
1-800-656-HOPE
***hotline.rainn.org/online***

### Harassment and Discrimination

Board Policy 3430 (BP 3430) prohibits all forms of harassment that are contrary to basic standards of conduct between individuals and are prohibited by state and federal law, as well as this policy, and will not be tolerated. Administrative Regulation 3435 details the procedures for the resolution of such complaints (https://www.rsccd.edu/ Trustees/Pages/ policies-and-regulations.aspx). This policy is widely published and publicized to all employees and students, including incoming employees and students.
The District is committed to providing an academic and work environment that respects the dignity of individuals and groups. The District shall be free of sexual harassment and all forms of sexual intimidation and exploitation, including acts of sexual misconduct, dating or domestic violence, and stalking. The District shall also be free of other unlawful harassment or discrimination, including that which is based on any of the following statuses: race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, or sexual orientation of any person, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics.
The Title IX Coordinator is responsible for resolving reports of sexual misconduct, sex or gender-based discrimination or harassment, dating or domestic violence, and stalking. To report an incident or file a complaint, please contact the following individuals:
Jennifer de la Rosa Title IX Coordinator
Rancho Santiago Community College District 2323 N. Broadway, Santa Ana, California 92706
Email: De_La_Rosa_Jennifer@sccollege.edu
Phone: 714-480-7404
www.rsccd.edu/titleix
Deisy Covarrubias Deputy
Title IX Coordinator Santiago Canyon College
8045 E. Chapman Ave., Orange, CA 92869
Email: covarrubias_deisy@sccollege.edu
Phone: 714-628-4933
Any individual can submit a report by using the following link: www.rsccd.edu/incidentreportingformApplicable regulations, resources, and additional information can be found at www.rsccd.edu/titleix or www.rsccd.edu/civilrightsThe District seeks to foster an environment in which all employees and students feel free to report incidents of harassment without fear of retaliation or reprisal. Retaliation for exercising one's right of protection from discrimination and/or harassment or for participating in the investigation of a complaint is prohibited by law and this policy, and will not be tolerated. All allegations of retaliation will be swiftly and thoroughly investigated. If the District determines that discrimination, harassment, or retaliation has occurred, it will take all reasonable steps within its power to stop such conduct. Students or employees who engage in discrimination, harassment, or retaliation are subject to disciplinary action, up to and including termination or expulsion.

### Duty to Report

Except for psychologists in the College's Student Health Center, any District employee who knows of or has reason to know of sexual misconduct, dating or domestic violence, and stalking shall promptly inform the Title IX Coordinator. These employees are considered responsible employees under Title IX and are required to disclose all information, including the names of the parties, even where the person has requested that their name remain confidential. Supervisors are mandated to report all incidents of harassment and retaliation that come to their attention.
The Title IX Coordinator will determine whether confidentiality is appropriate given the circumstances of each such incident as the District must then take appropriate steps to eliminate any gender discrimination/ harassment/misconduct, prevent its recurrence, and remedy its effects. The District is required by the federal Clery Act to report certain types of crimes (including certain sex offenses) in statistical reports. However, while the District will report the type of incident in the annual crime statistics report known as the Annual Security Report, victim names/identities will not be revealed.
BP 3430 applies to all aspects of the academic environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any community college activity. In addition, this policy applies to all terms and conditions of employment, including but not limited to hiring, placement, promotion, disciplinary action, layoff, recall, transfer, leave of absence, training opportunities, and compensation.

### Supportive Measures

The District will offer and implement appropriate and reasonable supportive measures to the Parties upon notice of alleged sexual harassment and/or retaliation. Supportive measures are non-disciplinary, non-punitive individualized services, offered as appropriate, as reasonably available, and without fee or charge to the Parties, which are intended to restore or preserve equal access to the District's education program or activity, to protect the safety of

# COLLEGE POLICIES AND PROCEDURES

all Parties or the District's educational environment, and/ or deter sexual harassment and/or retaliation. The Title IX Coordinator will promptly make supportive measures available to the Parties upon receiving notice or a complaint and will coordinate the effective implementation of such measures. At the time that supportive measures are offered, the District will inform the Complainant, in writing, that they may file a formal complaint with the District either at that time or in the future if they have not done so already.

The District will maintain the privacy of the supportive measures, provided that privacy does not impair the District's ability to provide the supportive measures. The District will act to ensure as minimal an academic/ occupational impact on the Parties as possible. The District will implement measures in a way that does not unreasonably burden the other party. Supportive measures may include but are not limited to

- Counseling and referral to medical and/ or other healthcare services
- Referral to the Employee Assistance Program
- Referral to community-based service providers
- Student financial aid counseling
- Altered work arrangements for employees or student-employees
- Safety planning
- Campus safety escorts
- Implementing mutual contact limitations (no contact orders) between the Parties
- Academic support, extensions of deadlines, or other course or program-related adjustments
- Trespass orders
- Class or work schedule modifications, withdrawals, or leaves of absence
- Increased security and monitoring of certain areas of the campus
- Any other actions deemed appropriate by the Title IX Coordinator

Violations of no contact orders will be referred to the appropriate student or employee conduct processes for enforcement.

**Definitions**

The District has adopted the following definitions so as to address the unique environment of an academic community.

Affirmative Consent means an affirmative, conscious, and voluntary agreement to engage in sexual activity. It is the responsibility of each person involved in sexual activity to ensure that they have the affirmative consent of the other or others to engage in the sexual activity. Lack of protest or resistance does not mean consent, nor does silence mean consent. Affirmative consent must be ongoing throughout a sexual activity and can be revoked at any time. The existence of a dating relationship between the persons involved, or the fact of past sexual relations between them, should never by itself be assumed to be an indicator of consent. In California, a minor (meaning a person under the age of 18) cannot consent to sexual activity. It shall not be a valid response to alleged lack of affirmative consent that the Respondent believed that the Complainant consented to the sexual activity under either of the following circumstances: The Respondent's belief in affirmative consent arose from the intoxication or recklessness of the Complainant. Any allegation that alcohol or other drugs were involved in an incident will be reviewed. The Respondent did not take reasonable steps, in the circumstances known to the Respondent at the time, to ascertain whether the complainant affirmatively consented. It shall not be a valid response that the Respondent believed that the Complainant affirmatively consented to the sexual activity if the Respondent knew or reasonably should have known that the Complainant was unable to consent to the sexual activity under any of the following circumstances: The Complainant was asleep or unconscious. The Complainant was incapacitated due to the influence of drugs, alcohol, or medication so that the Complainant could not understand the fact, nature, or extent of the sexual activity. The Complainant was unable to communicate due to a mental or physical condition.

Complainant means an individual who is alleged to be the victim of conduct that could constitute Sexual Harassment, as defined herein, whether the notice/ complaint is presented by the individual or someone on the individual's behalf, such as a report by one who learned of the conduct in his or her official capacity as a faculty member or administrator.

District means the Rancho Santiago Community College District, including the colleges it operates, Santa Ana College and Santiago Canyon College, and centers.

Education program or activity means locations, events, or circumstances where the District exercises substantial control over both the Respondent and the context in which the Prohibited Conduct occurs and also includes any building owned or controlled by a student organization that is officially recognized by the District.

Formal Complaint means a document submitted or signed by a Complainant or signed by the Title IX Coordinator alleging Prohibited Conduct against a Respondent and requesting that the District investigate the allegation.

Formal Grievance Process means the process for adjudicating Formal Complaints of Prohibited Conduct through investigation, live hearing, determination of responsibility, and appeals.

Hearing Decision-maker refers to those who have decision-making and sanctioning authority within the District's Formal Grievance process.

Investigator means the person tasked by the District with investigating a Complaint. All Investigators shall receive annual training regarding such issues as the laws governing Title IX and VAWA/Campus Save Act; as well as other related state and federal laws prohibiting discrimination, harassment, and retaliation based on gender or sex, including sex discrimination, sexual harassment, sexual misconduct, dating, and domestic violence, and stalking; complainant, respondent, employee, and witness privacy rights; and the Family Educational Rights and Privacy Act of 1974 (FERPA).

Notice means that an employee, student, or third-party informs the Title IX Coordinator or other Official with Authority of the alleged occurrence of harassing, discriminatory, and/ or retaliatory conduct.

Official with Authority (OWA) means an employee of the District explicitly vested with the responsibility to implement corrective measures for sexual harassment and/or retaliation on behalf of the District.

Parties include the Complainant(s) and Respondent(s), collectively. Prohibited Conduct means any sexual misconduct, gender or sex-based discrimination or harassment, dating violence, domestic violence, stalking, and retaliation.

Remedies are actions taken to address safety, prevent recurrence of Prohibited Conduct, and restore equal access to the District's educational program.

Resolution Process refers broadly to the process for addressing Formal Complaints either by informal resolution or through a Formal Grievance Process that includes investigation, live hearing, and appeal.

Respondent means an individual who has been reported to be the perpetrator of Prohibited Conduct, as defined herein.

Sanction means a consequence imposed by the District on a Respondent who is found to have engaged in Prohibited Conduct under this interim administrative regulation.

Sexual Harassment means conduct on the basis of sex that satisfies one or more of the following

A. Quid Pro Quo Sexual Harassment: When an employee of the District conditions (implicitly or explicitly) the provision of aid, benefit, or service of the District on an individual's participation in unwelcome sexual conduct; or

B. Hostile Environment Sexual Harassment: Unwelcome conduct determined by a reasonable person standing in the shoes of the Complainant to be so severe, pervasive, and objectively offensive that it effectively denies a person equal access to the District's education program or activity; or

C. Sexual assault, dating violence, domestic violence, or stalking, as defined herein.

1. Sexual assault means any sexual act (forcible or non-forcible), directed against another person, without the consent of the victim, including instances where the victim if incapable of giving consent. Sexual acts include the following:

a. Rape, which is defined as the penetration, no matter how slight, of the vagina or anus with any body part or object, or oral penetration by a sex organ of another person, without the consent of the Complainant.

b. Sodomy, which is defined as oral or anal sexual intercourse with another person, forcibly committed and/or against that person's will (non-consensually), or not forcibly or against the person's will in instances in which the Complainant is incapable of giving consent because of age or because of temporary or permanent mental or physical incapacity.

c. Sexual Assault with an Object, which is defined as the use of an object or instrument to penetrate, however slightly, the genital or anal opening of the body of another person, forcibly and/or against that person's will (non-consensually), or not forcibly or against the person's will in instances in which the Complainant is incapable of giving consent because of age or because of temporary or permanent mental or physical incapacity.

d. Fondling, which is defined as the touching of the private parts of another person for the purposes of sexual gratification, without the consent of the victim, including instances where the victim is incapable of giving consent because

# COLLEGE POLICIES AND PROCEDURES

of age or because of temporary or permanent mental or physical incapacity.

e. Incest, which is defined as sexual intercourse between persons who are related to each other within the degrees wherein marriage is prohibited by law.

f. Statutory Rape, which is defined as sexual intercourse with a person who is under the statutory age of consent.

2. Dating violence means violence committed, on the basis of sex, by a person who is or has been in a social relationship of a romantic or intimate nature with the Complainant. The existence of such a relationship shall be determined based on a consideration of the following factors: the length of the relationship, the type of relationship and the frequency of interaction between the persons involved in the relationship. For the purposes of this definition, dating violence includes, but is not limited to, sexual or physical abuse or the threat of such abuse. Dating violence does not include acts covered under the definition of domestic violence.

3. Domestic violence means conduct, on the basis of sex, that includes the requisite components of a felony or misdemeanor crimes of violence committed by (a) a current or former spouse or intimate partner of the victim; (b) a person with whom the victim shares a child in common; (c) a person who is cohabitating with or has cohabitated with the victim as a spouse; (d) a person similarly situated to a spouse of the victim under California law; or (e) any other person against an adult or youth victim who is protected from that person's acts under California law.

4. Stalking means a course of conduct directed at a specific person on the basis of sex that would cause a reasonable person to fear for the person's safety or the safety of others, or to suffer substantial emotional distress. For the purposes of this definition: (a) A course of conduct is two or more acts, including, but not limited to, acts in which the Respondent directly, indirectly, or through third parties, by any action, method, device, or means, follows, monitors, observes, surveils, threatens, or communicates to or about a person, or interferes with a person's property; (b) Reasonable person means a reasonable person under similar circumstances and with similar identities to the Complainant, and (c) Substantial emotional distress means significant mental suffering or anguish that may but does not necessarily require medical or other professional treatment or counseling.

5. Student/Students means as any individual who has accepted an offer of admission, or who is registered or enrolled for credit or non- credit-bearing coursework, and who maintains an ongoing relationship with the District.

Third-Party means a person other than the Complainant and the Respondent.

Any individual can submit a report by using the following link:

**www.rsccd.edu/report**

Applicable regulations, resources, and additional information can be found at www.rsccd.edu/titleix or www.rsccd.edu/civilrightsStudent/Students means any individual who has accepted an offer of admission, or who is registered or enrolled for credit or noncredit bearing coursework, and who maintains an ongoing relationship with the District.

means a person other than the Complainant and the Respondent. Hearing The District will designate a single Decisionmaker (hearing officer) or a three-member Decision-maker panel, at the discretion of the Title IX Coordinator. With a panel, one of the three members will be appointed as Chair by the Title IX Coordinator. For purposes of this regulation, the term Hearing Chair is used to refer to the single Decision-maker or the Chair of the three-person Decision-maker panel. The Decision-maker(s) must not have had any previous involvement in the matter, and therefore, cannot be the Title IX Coordinator or investigator(s) in the case.

Roles and Responsibilities The Title IX Coordinator or designee shall be responsible for managing the hearing process and the necessary logistics (scheduling, notifying witnesses, providing the Parties and Decision-maker(s) with appropriate documentation and evidence, coordinating the location of the hearing, and any other support that is necessary for the hearing to run smoothly), provided their previous role(s) in the matter do not create a conflict of interest. Otherwise, a designee may fulfill this role.

The Decision-maker(s) is responsible for conducting an impartial live hearing and issuing a written determination regarding the responsibility to the Parties without bias or conflict of interest. The Parties' Advisor of choice may be but is not required to be, an attorney. The Parties' Advisors may be present for meetings and proceedings throughout the grievance process, subject to equal restrictions on Advisors' participation, in the District's discretion. If the party does not have an Advisor at the hearing, the District must provide an Advisor of the District's choice, without fee or charge, solely for the purpose of conducting cross-examination.

Location Live hearings may be conducted with all Parties physically present in the same geographic location or, at the District's discretion, any or all parties, witnesses, and other participants may appear at the live hearing virtually. The District must create an audio or audiovisual recording, or transcript, of any live hearing. At the request of either party, the District must also provide for the entire live hearing (including cross-examination) to occur with the Parties located in separate rooms with technology enabling the Parties to see and hear each other.

Notice of Hearing The Title IX Coordinator will send notice of the hearing to the Parties no less than ten (10) business days prior to the hearing unless the Parties agree to an expedited schedule. Once mailed, emailed, and/or received in-person, notice will be presumptively delivered. The notice will contain:

- A description of the alleged violation(s), a list of all policies allegedly violated, a description of the applicable procedures, and a statement of the potential sanctions/ responsive actions that could result.
- The time, date, and location of the hearing and a reminder that attendance is mandatory, superseding all other campus activities. Any technology that will be used to facilitate the hearing. Information about the option for the live hearing to occur with the Parties located in separate rooms using technology that enables the Decision-maker(s) and Parties to see and hear a party or witness answering questions. Such a request must be raised with the Title IX Coordinator at least five (5) business days prior to the hearing.
- A list of all those who will attend the hearing, along with an invitation to object to any Decision-maker on the basis of demonstrated bias. This must be raised with the Title IX Coordinator at least two (2) business days prior to the hearing.
- Information on how the hearing will be recorded and on access to the recording for the Parties after the hearing. A statement that if any party or witness does not appear at the scheduled hearing, the hearing may be held in their absence, and the party's or witness's testimony and any statements given prior to the hearing will not be considered by the Decisionmaker(s). For compelling reasons, the Hearing Chair may reschedule the hearing.
- Notification that the Parties may have the assistance of an Advisor of their choosing at the hearing and will be required to have one present for any questions they may desire to ask. The party must notify the Title IX Coordinator if they do not have an Advisor, and the District will appoint one. Each party must have an Advisor present. There are no exceptions.
- A copy of all the materials provided to the Decision-maker(s) about the matter, unless they have been provided already.
- An invitation to contact the Title IX Coordinator to arrange any disability accommodations, language assistance, and/or interpretation services that may be needed at the hearing, at least seven (7) business days prior to the hearing.
- A statement that Parties cannot bring mobile phones/devices into the hearing.

Hearings for possible violations that occur near or after the end of an academic term (assuming the Respondent is still subject to this Policy) and are unable to be resolved prior to the end of term will typically be held immediately after the end of the term or during the summer, as needed, to meet the resolution timeline followed by the District and remain within the 60-90 business day goal for resolution. In these cases, if the Respondent is a graduating student, a hold may be placed on graduation and/or official transcripts until the matter is fully resolved (including any appeal). A student facing charges under this Policy is not in good standing to graduate. If a party or Parties prefer not to attend or cannot attend the hearing in person, the party should request alternative arrangements from the Title IX Coordinator at least five (5) business days prior to the hearing. Similarly, any witness who cannot attend in person should let the Title IX Coordinator or the Chair know at least five (5) business days prior to the hearing so that appropriate arrangements can be made.

Remedies and Sanctions Should a violation of the interim administrative regulation be substantiated,

# COLLEGE POLICIES AND PROCEDURES

the District will effectively implement remedies for the Complainant, designed to restore or preserve the Complainant's equal educational access, such as long- term supportive measures, and may impose disciplinary sanctions on the Respondent in conformity with all relevant statutes, regulations, and District personnel policies and regulations, including the provisions of any applicable collective bargaining agreement. Factors considered when determining a sanction/ recommendation may include, but are not limited to: • The nature, severity of, and circumstances surrounding the violation(s)

- The Respondent's disciplinary history
- Previous allegations or allegations involving similar conduct.
- The need for sanctions/responsive actions to bring an end to the Prohibited Conduct.
- The need for sanctions/responsive actions to prevent the future recurrence of the Prohibited Conduct.
- The need to remedy the effects of the Prohibited Conduct on the Complainant and the community.
- The impact on the Parties
- Any other information deemed relevant by the Decision-maker(s)

**Student Sanctions**

In cases involving Respondents who are students, the hearing process detailed herein shall serve as the due process hearing outlined in Section IV of Board Policy 5500. The following are the usual sanctions that may be imposed upon students or organizations singly or in combination:

- Warning: A verbal statement that the conduct was unacceptable and that further violation of any District policy, procedure, or directive will result in more severe sanctions/ responsive actions.
- Reprimand: A written statement, included in the student's disciplinary file that the conduct was unacceptable and that further misconduct will result in more severe sanctions /responsive actions.
- Required Counseling: A mandate to meet with and engage in either District-sponsored or external counseling to better comprehend the misconduct and its effects.
- Probation: Authorization for the Respondent to return to classes, but with an understanding of expected appropriate future behavior and terms that may include denial of specified social privileges, exclusion from co-curricular activities, exclusion from designated areas of campus, no-contact orders, and/ or other measures deemed appropriate. Any violations of the Standards of Student Conduct during this probationary period will result in further, more serious disciplinary action against the Respondent.
- Suspension: Termination of student status for a definite period of time not to exceed two academic years.
- Expulsion: Permanent termination of student status and revocation of rights to be on campus for any reason or to attend District-sponsored events.
- Withholding Diploma: The District may withhold a student's diploma for a specified period of time and/or deny a student participation in commencement activities if the student has an allegation pending or as a sanction if the student is found responsible for an alleged violation.
- Revocation of Degree: The District reserves the right to revoke a degree previously awarded from the District for serious violations committed by a student prior to graduation.
- Student Organizational Sanctions: Deactivation, loss of recognition, loss of some or all privileges for a specified period of time.
- Other Actions: In addition to or in place of the above sanctions, the District may assign any other sanctions as deemed appropriate.

**Employee Sanctions**

Responsive actions for an employee who is found to have engaged in Prohibited Conduct, as defined herein include:

- Warning – Verbal or Written
- Performance Improvement Plan
- Enhanced supervision, observation, or review
- Required Counseling
- Required Training or Education
- Demotion
- Transfer
- Reassignment
- Assignment to a new supervisor
- Restriction of stipends, research, and/or professional development resources
- Suspension with pay/Suspension without pay
- Termination
- Other Actions: In addition to or in place of the above sanctions/responsive actions, the District may assign any other responsive actions as deemed appropriate.

Additional information and resources can be found at: https://www.rsccd.edu/Departments/TitleIX/Pages/default.aspx

**Sexual Harassment Complaints (Title IX)**

Board Policy 3430 (BP3430) Prohibition of Harassment prohibits all forms of harassment are contrary to basic standards of conduct between individuals and are prohibited by state and federal law, as well as this policy, and will not be tolerated. The District is committed to providing an academic and work environment that respects the dignity of individuals and groups. The District shall be free of sexual harassment and all forms of sexual intimidation and exploitation including acts of sexual violence. Sexual violence includes dating violence, domestic violence and stalking. The District shall also be free of other unlawful harassment, including that which is based on any of the following statuses: race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, or sexual orientation of any person, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics.

The District seeks to foster an environment in which all employees and students feel free to report incidents of harassment without fear of retaliation or reprisal. Students can file a Title IX complaints, which includes harassment or sexual violence with the Vice Chancellor, Human Resources who can be contacted at

2323 N Broadway, Suite 407-2,

Santa Ana, CA 92706Telephone Number 714-480-7489The procedures for filing and investigation of a discrimination complaint can be found at: www.rsccd.edu/Trustees/Pages/AR- 3435.aspx

The District also strictly prohibits retaliation against any individual for filing a complaint of harassment or sexual violence or for participating in such an investigation. Such conduct is illegal and constitutes a violation of this policy. All allegations of retaliation will be swiftly and thoroughly investigated. If the District determines that retaliation has occurred, it will take all reasonable steps within its power to stop such conduct. Individuals who engage in retaliatory conduct are subject to disciplinary action, up to and including termination or expulsion.

Any student or employee who believes that he or she has been harassed or retaliated against in violation of this policy should immediately report such incidents by following the procedures described in AP 3435. Supervisors are mandated to report all incidents of harassment and retaliation that come to their attention.

This policy applies to all aspects of the academic environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any community college activity. In addition, this policy applies to all terms and conditions of employment, including but not limited to hiring, placement, promotion, disciplinary action, layoff, recall, transfer, leave of absence, training opportunities and compensation.

To this end the Chancellor shall ensure that the institution undertakes education and training activities to counter discrimination and to prevent, minimize and/or eliminate any hostile environment that impairs access to equal education opportunity or impacts the terms and conditions of employment. The Chancellor shall establish procedures that define harassment on campus. The Chancellor shall further establish procedures for employees, students, and other members of the campus community that provide for the investigation and resolution of complaints regarding harassment and discrimination, and procedures for students to resolve complaints of harassment and discrimination. All participants are protected from retaliatory acts by the District, its employees, students, and agents.

This policy and related written procedures (including the procedure for making complaints) shall be widely published and publicized to administrators, faculty, staff, and students, particularly when they are new to the institution. They shall be available for students and employees in all administrative offices.

# COLLEGE POLICIES AND PROCEDURES

Employees who violate the policy and procedures may be subject to disciplinary action up to and including termination. Students who violate this policy and related procedures may be subject to disciplinary measures up to and including expulsion.

**Smoking and Tobacco Use**

Smoking is prohibited in all campus areas including all District owned, rented, or leased properties and vehicles, except in designated parking lot areas and within 20 feet of entrances, exits, and operable windows.

Smoking is defined as the use of products containing tobacco and/or nicotine, including but not limited to smokeless tobacco, clove cigarettes, or any other smoking products, and any and all electronic or "e-cigarettes", which are unapproved nicotine delivery devices, unregulated by the FDA.

Public performances in which smoking is an integral and necessary part of the production are excluded from these regulations. These regulations apply to employees, students, visitors, and all other persons who use District-owned or rented/leased facilities and vehicles. Failure to comply with these regulations may result in disciplinary action.

It is the responsibility of every District employee to comply with these regulations and report violations to District Safety. These regulations do not supersede more restrictive policies which may be in force under State and Federal regulations.

(AR-3570)

**Standards of Conduct for Computer Classrooms and Computer Labs**

In accordance with Board Policy (BP 3720) and Administrative Regulation (AR 3720) and to extend the life of hardware, comply with copyright laws, and adhere to appropriate computer network conduct and usage, the following standards of conduct are required of all students using computer classrooms, computer labs, and the wireless network.

Failure to comply with the following standards can result In the suspension of a student's privileges and possibly other sanctions such as removal from class, suspension, expulsion or other disciplinary actions.

The primary use of computer systems/resources is for a academic/educational purposes. The following are NOT allowed:

- Using the Internet to access sexually explicit and/or pornography websites.
- Sending and receiving any messages that are threatening, racist or inflammatory, abusive towards a specific gender or culture, obscene, or use inappropriate language.
- Using the network for personal or commercial advertising or political activity.
- Using computers or the wireless network to play individual games, multiple-user games, or gambling. Using the computers for illegal purposes.

The SCC Library, computer labs, computer classrooms, and science labs may have additional restrictions to those listed above. It is the student's responsibility to be aware of these additional guidelines.

**Standards of Student Conduct**

Guidelines for Student Conduct are set forth in the California Education Code, California Administrative Code, Title V, policies of the Board of Trustees, and all civil and criminal codes. Students enrolling in district educational programs assume an obligation to obey state law and district rules and regulations governing the conduct of students.

Students who enroll in those instructional programs in which the college has affiliations with various outside associations must comply with the college's policies and procedures and also with the outside associations' policies and procedures. This includes but is not limited to students enrolled in the programs of Cosmetology, Fire Academies, Criminal Justice Academies and Nursing.

**Guidelines for Student Conduct**

The following represent violations for disciplinary action, up to but not limited to expulsion, that may be taken:

A. Dishonesty, cheating, plagiarism, lying, or knowingly furnishing false information to the district or college officials performing their duties.

B. Forgery, alteration, or misuse of district documents, records, or identification.

C. Willful misconduct that results in damage to any real or personal property owned by the district or district employees (damage includes, but not limited to vandalism, such as cutting, defacing, breaking, etc.).

D. Obstruction or disruption of pedestrian or vehicular traffic or of teaching, research, administration, or of other district activities on or off District premises. This includes obstruction or disruption of administration, disciplinary procedures or authorized college activities.

E. Assault, battery, or any threat of force or violence upon a student, college personnel, or campus visitor; willful misconduct which results in injury or death to a student, college personnel, or campus visitor. This includes fighting on district property or at a district sponsored event, on or off district premises.

F. Detention of any person on district-owned or controlled property or at district-sponsored or supervised functions or other conduct which threatens or endangers the health or safety of another.

G. Theft of any property of the district which includes property of a member of the district community or a campus visitor.

H. Unauthorized entry into or unauthorized use of district property, supplies, equipment, and/or facilities.

I. Misrepresentation of oneself or of an organization to be an agent of the district.

J. Sexual assault or physical abuse, including rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, or threat or assault, or any conduct that threatens the health and safety of the alleged victim, which includes students, college personnel, or campus visitors.

K. Use, possession, distribution, or being under the influence of alcoholic beverage on district property or at any district sponsored event.

L. Use, possession, distribution, or being under the influence of narcotics, other hallucinogenic drugs or substances, or any poison classified as such by Schedule "D" in Section 4160 of the Business and Professions Code on District property or at any District- sponsored event except as expressly permitted by law.

M. Expression which is libelous, slanderous, obscene or which incites students so as to create a clear and present danger of commission of unlawful acts on district premises, or violation of district regulations, or the substantial disruption of the orderly operation of the college.

N. Engaging in lewd, indecent, or obscene behavior on district property or at any district-sponsored function.

O. Possession or use while on the district premises, or a district-sponsored function, of any firearm, knife, explosive, or other dangerous object, including but not limited to any facsimile firearm, knife or explosive. Exceptions include those participating in a criminal justice educational program who are authorized such possession or those who are enrolled in a course which authorizes such possession.

P. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any district policy or administrative regulation.

Q. Engaging in harassing or discriminatory behavior based on race, sex (i.e., gender), religion, age, national origin, disability, sexual orientation or any other status protected by law.

R. Continuous disruptive behavior or willful disobedience, habitual profanity or vulgarity, open and persistent abuse of college personnel, or open and persistent defiance of the authority of college personnel, which includes physical as well as verbal abuse, including the use of racial epithets and hate speech.

S. Disruptive written or verbal communication, vulgarity, open and persistent abuse of other students which include verbal abuse, racial epithets and hate speech. Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.

T. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the Board of Trustees;

U. Violation of the Computer Usage Policy is applicable to students using computer classrooms, computer labs, the wireless network or other locations on and off district property. A violation is considered any of the following:

a. Accessing with or without permission or causing to be accessed without authorization, altering, damaging, deleting, hacking, destroying, or otherwise using any data, computer, computer system, computer software and programs, or computer network belonging to or used by the college or any member of the District.

b. Accessing with or without permission, taking, copying, or making use of any data from a computer, computer system, or computer network, or taking or copying any supporting documentation, whether existing or residing

# COLLEGE POLICIES AND PROCEDURES

internal or external to a computer, computer system, or computer network belonging to or used by the college or District.

c. Using or causing to be used, computer services without permission
d. Disrupting or causing the disruption of computer services or denying or causing the denial of computer services to an authorized user of a computer, computer system, or computer network belonging to or used by the college or District.
e. Introducing any computer contaminant or virus into any computer, computer system, or computer network belonging to the college or District.
f. Sending any message using any computer system or network without authorization or sending any message in the name of another person or entity.
g. Using any account or password without authorization.
h. Allowing or causing an account number or password to be used by any other person without authorization.
i. Accessing or causing to be accessed, downloading or causing to be downloaded, pornographic or obscene materials except when accessing such material which is part of the instructional process or assignment for a class in which the student is currently enrolled.
j. Use of systems or networks for personal commercial purposes.
V. "Cyberstalking", which is to be understood as any use of the college or district computer system, computer network, or computer programs to stalk another person via excessive messages or inquiries, inappropriate or threatening messages, racially motivated communications, photos or other means of communication.
W. Any act constituting good cause for suspension or expulsion, or violation of district policies or campus regulations.

**Disciplinary Action**

Violations to any tenets within the standards of student conduct are subject to the following disciplinary actions: warning, reprimand, probation, restitution, removal, suspension or expulsion. Disciplinary actions may be imposed singly or in combination.

**Student Email**

Rancho Santiago Community College District provides all enrolled students with college Email addresses. Your college email address is your Single Sign On (SSO). Single Sign On means you will only need your student email and password to access most of your college-related resources such as Self-Service and Canvas.

**Study Load**

In order to meet the graduation requirements in four semesters, students should carry an average of 15 units each semester. Students will ordinarily not be allowed to register for more than 18 units.

When individual circumstances may require additional unit demand, an overload program in excess of 18 units may be approved for students who have maintained a 3.0 GPA. Approval for such overloads may be secured from the counseling department using the Petition to Overload form.

A summer session load should not exceed the equivalent of one unit per week or approximately nine units for an 8-week session. If over 9 units for summer or over 6 units for intersession, an overload petition must be approved using the same criteria as above.

**Transfer Credit**

Santiago Canyon College grants credit for coursework completed at regionally accredited institutions of higher education. Official transcripts are required and must be submitted to the Admissions and Records Office. Official transcripts submitted for evaluation must be printed/dated within the last 6 months. Any coursework marked as "in-progress" will need to have additional transcripts submitted once grades have been posted.

Transfer coursework may be used to meet a major requirement by approval. To seek approval, a Petition to Substitute a Major Requirement must be submitted along with supporting documentation. Petition can be obtained in the Admissions and Records Office or on line.

Transfer coursework may also be used to meet the California General Education Transfer Curriculum (Cal-GETC)/Plan 2 Certification. If coursework was completed at an institution outside of the California Community College system, it must be approved through the course Pass Along process.

SCC and CSU students who meet the CSU continuous enrollment definition before fall 2025 can continue to complete the CSU-GE Breadth/Plan B or IGETC/Plan C pattern or may elect to complete Cal-GETC, but it is not required. Continuous enrollment is completing one semester each calendar year (example: spring 2022, fall 2023, spring 2024, spring 2025, etc.) without a one-year break. Students enrolled in Fall 2025 and thereafter who do not have continuous enrollment must complete Cal-GETC. Students must consult with a counselor to determine CSU-GE Breadth/ IGETC eligibility.

Transfer coursework may also be used to meet SCC General Education. Course must be listed in the college catalog, in the same academic year for which the course was taken, at the transfer institution. Upper-division courses may be used as long as it meets the lower-division requirements; however, a student is strongly encouraged to meet with a sec counselor to discuss unintended consequences.

**Unit of Credit**

Santiago Canyon College is on a semester system and awards college credit in semester units.

One unit of credit (or credit hour) of college credit represents 54 hours of student time in lecture, study, or laboratory work. For a 16- week semester, this is generally three hours of work per week per unit. For example, semester-long lecture classes are generally per week in class and two hours per week outside preparation. Semester-long laboratory classes are generally three hours per week in the laboratory with minimal outside preparation.

When converting units from quarter to semester, the ratio is one-quarter unit equals two-thirds of a semester unit.

Reference Board Policy P4023 Hours and Units/ Administrative Regulation 4023 Hours and Units Reference(s):
Title 5 Sections 55002, 55002.5, 55256.5
Code of Federal Regulations: 34 CFR 668

**Withdrawal From Class**

Students who cannot continue in a course have an obligation to withdraw officially. Students may officially withdraw through the last day of the 12th week of instruction (or 75 percent of the class meetings, whichever is less and receive a transcript symbol of "W".

All instructor-initiated "EA's" (excessive absence drops) through the 12th week or 75 percent of class meetings, whichever is less, will be assigned a "W".

The academic record of a student who remains in a class beyond the time allowed by district policy must reflect a symbol other than a "W", except under extenuating circumstances.

A student who has a withdrawal (grade of "W") in the same course two or more times loses the privilege of online registration for that course and must receive the approval of the Associate Dean of Admissions or the Registrar to enroll in the same course.

(See also Course Repeatability and Repetition.)

## EXTENUATING CIRCUMSTANCES

**Excused Withdrawal (EW)**

A student may petition for an Excused Withdrawal due to extenuating circumstances (reasons beyond the student's control). If approved, the petitioned classes will be designated with an "EW" (Excused Withdrawal) on the transcript. An "EW" will not be counted in progress probation or dismissal calculations nor will it be counted towards the permitted number of withdrawals or counted as an enrollment attempt.

**Military Withdrawal (MW)**

A student who is a member of an active or reserve U.S. military service and has received orders compelling a withdrawal from courses may request a military withdrawal. If approved an "MW" will appear on the transcript for each course. "MW" shall not be counted in the permitted number of withdrawals nor shall it be counted in progress and dismissal calculations.

Students should file the EW/MW petitions as soon as possible. The petition must be filed no later than one year following the awarding of the original grade.

**Withholding of Student Records**

Students, or former students, who have failed to pay a proper financial obligation may have grades, transcripts, diplomas and registration privileges withheld.

# COLLEGE POLICIES AND PROCEDURES

## NONDISCRIMINATION POLICY

The Rancho Santiago Community College 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, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she 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 Chancellor 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 and Title IX regulations and those of other agencies that administer state and federal laws regarding nondiscrimination. No District funds shall ever be used for membership, or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with it, to any private organization whose membership practices are discriminatory on the basis of national origin, religion, age, gender, gender identity, gender expression, race, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or because of his or her association with a person or group with one or more of these actual or perceived characteristics.

Inquiries regarding compliance and/or grievance procedures may be directed to District's Title IX Coordinator : Sil Han Jin, 2323 N. Broadway, Santa Ana, CA 92706, 714-480-7404. SCC Deputy Title IX Coordinator: Joseph A. Alonzo, 8045 E. Chapman Avenue, Orange, Ca. 92869, 714-628-4933

## POLITICA DE NO DISCRIMINACION

El Distrito está comprometido a ofrecer la igualdad en oportunidades para programas educativos, empleos, y a todo acceso a los programas institucionales y actividades. El Distrito, y cada persona que representa al Distrito, debe proveer acceso a sus servicios, clases y programas sin importar el lugar de nacimiento, religión, edad, sexo, identidad de género, expresión del género, raza o etnicidad, color, condición médica, información de genética, descendencia familiar, orientación sexual, estado civil, incapacidad física o mental, embarazo, categoría militar o de veterano, o por creer que él o ella tiene una o más de las características mencionadas, o en base a estar relacionado con una persona o grupo que se cree tenga algunas de estas características. El Canciller debe establecer procedimientos administrativos para asegurarse que todos los miembros de la comunidad del colegio puedan presentar quejas sobre supuestas violaciones a esta política y que sus quejas sean escuchadas de acuerdo a los reglamentos señalados en el Título 5 y Titulo IX y por aquellos de otras agencias que administran las leyes estatales y federales sobre la no discriminación. Ningún fondo del Distrito debe ser utilizado para la membrecía, o para la participación incluyendo pagos financieros o contribuciones hechas a organizaciones privadas de parte del Distrito o de cualquier individuo empleado por el Distrito o con asociación, cuyas practicas de membrecía son discriminatorias en base a lugar de nacimiento, religión, edad, sexo, identidad de género, expresión del género, raza, color, condición médica, información de genética, descendencia familiar, orientación sexual, estado civil, incapacidad física o mental, embarazo, categoría militar o de veterano, o por creer que él o ella tiene una o más de las características mencionadas, o en base a estar relacionado con una persona o grupo que se cree tenga algunas de estas características.

Las consultas relacionadas con los procedimientos de cumplimiento y/o queja pueden dirigirse al Coordinador del Título IX del Distrito y/o al Coordinador de la Sección 504/ADA. RSCCD Sección 504/ADA Coordinadora: Sil Han Jin, 2323 N. Broadway, Santa Ana, CA., 92706, 714-480-7404. SCC Deputy Title IX Coordinator: Joseph A. Alonzo, 8045 E. Chapman Avenue, Orange, CA., 92869, 714-628-4933

## CHÍNH SÁCH BẤT KỲ THỊ

Rancho Santiago Community College District cam kết cơ hội bình đẳng trong các chương trình giáo dục, việc làm, và tất cả các quyền tham gia vào các chương trình và các hoạt động tổ chức. Học khu, và mỗi cá nhân đại diện cho học khu, sẽ cung cấp quyền tham gia vào các dịch vụ, các lớp và chương trình của mình mà không liên quan đến nguồn gốc quốc gia, tôn giáo, tuổi tác, giới tính, bản sắc giới tính, biểu hiện giới tính, chủng tộc hoặc dân tộc, màu da, tình trạng y tế, thông tin di truyền, tổ tiên, khuynh hướng tình dục, tình trạng hôn nhân, khuyết tật về thể chất hoặc tinh thần, mang thai, hoặc quân đội và tình trạng cựu chiến binh, hoặc vì người đó được coi là có một hoặc nhiều đặc điểm trên. Hiệu trưởng sẽ thiết lập thủ tục hành chính đảm bảo tất cả các thành viên của cộng đồng đại học có thể trình bày các khiếu nại liên quan đến các vi phạm bị cáo buộc của chính sách này và khiếu nại của họ được nghe theo quy định của tiêu đề 5 và Tiêu đề IX và các cơ quan khác quản lý luật tiểu bang và liên bang về không phân biệt đối xử. Không được sử dụng ngân quỹ của Học khu để chi trả phí thành viên, phí tham gia hoặc các khoản đóng góp tài chính, thay mặt cho Học khu hoặc cho bất kỳ cá nhân nào được Học khu tuyển dụng hay có liên quan đến Học khu, cho bất kỳ tổ chức tư nhân nào có chính sách hoặc hoạt động kết nạp thành viên mang tính phân biệt đối xử trên cơ sở nguồn gốc quốc gia, tôn giáo, tuổi tác, giới tính, biểu hiện giới tính, chủng tộc, màu da, điều kiện y tế, thông tin di truyền, tổ tiên, khuynh hướng tình dục, tình trạng hôn nhân, khuyết tật về thể chất hoặc tinh thần, mang thai, hoặc quân đội và tình trạng cựu chiến binh, hoặc vì người đó được coi là có một hoặc nhiều đặc điểm nói trên, hoặc vì sự liên kết của mình với các yêu cầu liên quan đến các thủ tục tuân thủ và/hoặc khiếu kiện có thể được chuyển đến điều phối viên tiêu đề IX của học khu và/hoặc điều phối viên mục 504/ADA.

RSCCD phần 504/ADA điều phối viên: Sil Han Jin, 2323 N. Broadway, Santa Ana, CA., 92706, 714-480-7404. RSCCD tiêu đề IX điều phối viên: Joseph A. Alonzo, 8045 E. Chapman Avenue, Orange, CA., 92869, 714-628-4933

# STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

Associate Degrees, Associate Degrees for Transfer and Certificates Bookstore CalWORKs Career Services Child Development Center College Assistance Migrant Program (CAMP) Community Services Continuing Education Program Cooperative Work Experience Education Counseling Services Disabled Students Programs and Services (DSPS) Distance Education Extended Opportunity Programs and Services (EOPS) Financial Aid Services Hawk Support Center Foundation Guardian Scholars High School and Community Outreach Honors and Awards Honors Program and Honors Courses Language Lab Learning Communities Lorenzo A. Ramirez Library Math Success Center Online Student Services Pathways to Teaching Program Project RISE Public Affairs Scheduling Options and Definitions Science Teaching and Resource Center Student Health and Wellness Services Student Support Services – TRIO Supplemental Instruction The Hawk's Nest: Basic Need Center Transfer Center Transportation Tutoring Services Upward Bound Math and Science Veterans Resource Center Writing Center

### Associate Degrees, Associate Degrees for Transfer and Certificates

Santiago Canyon College offers more than 170 majors or areas of emphasis leading to an associate degree or an associate degree for transfer. Additionally, the college offers more than 225 programs leading to a certificate of achievement, certificate of proficiency, certificate of competency, or certificate of completion.

### Bookstore

The official Santiago Canyon College Hawk Campus Store offers a comprehensive selection of new, used, digital and rental textbooks, along with course materials, supplies and specialty items. For more information, visit the Hawk Campus Store in A-101, call (714) 628-4736 or visit www.sccollege.edu/bookstore.

### Cafeteria/Student Lounge

Cafeteria/Student Lounge The T-Buildings house the Associated Student Government room, Student Lounge, food services at the Hawk's Perch Cafe, and the Student Health and Wellness Services. To reserve rooms for use, call the Santiago Canyon College facilities office at (714) 628-4719.

### CalWORKs

The CalWORKs program at Santiago Canyon College provides assistance to students who are receiving cash aid. CalWORKs students are provided specialized counseling and support services to help ensure their achievement of educational goals and career readiness. Services include counseling/case management, vocational training, job services, workshops, and student support services. For more information, call (714) 628-4915.

### Career Services

Career Services at Santiago Canyon College is here to help students with their career needs, particularly as they relate to exploration and choosing a major or career path as well as being career-ready at the completion of their degree program.
We assist with:

- Career exploration and assistance in choosing a major
- Career research (occupational forecast, earnings, educational pathways)
- Job preparation services including:
  - -Job/Internship search skills
  - - Resume and cover letter writing
  - - Networking and interviewing techniques

Students are assisted in the career decision-making process and job preparation through classes, workshops, and individual appointments. Enrolled students have access to Santiago Canyon College's online job and internship platform. Check out the Job Search Resources tab on Career Services webpage for access. We encourage students to use Career Services on a regular basis!
For more information, visit Career Services in D-106 or call (714) 628-4987.

### Child Development Center

Santiago Canyon College operates the Child Development Center, which functions as the lab school for the Child Development and Education Department. The lab school provides practicum experience and hands- on learning to students seeking a career In early care and education of young children or a related field. Additionally, the Child Development Center provides comprehensive quality services to meet students' childcare needs. Services are available for children that are between two and five years of age. Fees are based on the California Department of Education, Early Education and Support Division's sliding fee scale, which are based on family income. Students eligible for the CalWORKs program may also be eligible to receive free childcare services. Limited full cost childcare spaces are also available for college faculty, staff, and community members that do not meet the sliding fee scale income criteria. For more information and hours of operation phone (714) 628-4890.

### College Assistance Migrant Program (CAMP)

The College Assistance Migrant Program (CAMP) is a federally funded program that provides tailored programs and services to students from migrant and farm working backgrounds. The purpose of CAMP is to support students in making the best of their academic, career and educational goals.
After meeting eligibility requirements, CAMP students receive the following programs and services: academic and career counseling, study skills workshops, book vouchers, bus passes, internships, financial aid application support, laptop borrowing privileges, tutoring, peer mentoring, seminars and workshops for CAMP parents and families, family cultural activities and participation in the CAMPlanning Summer Bridge Program.
To learn more about CAMP contact us at (714) 628-5034, come by our office in A-212 or visit our website at www.sccollege.edu/camp.

### Community Services

Community Services is a fee-based program that provides classes to the general public for educational, cultural, social and recreational purposes. Classes are not for credit, usually shorter in duration than credit classes, and do not require lengthy preparation or rigorous testing. Participants can choose from a variety of classes that include Creative Arts, Business and Careers,
Computer Training, Dance, Health and Fitness, Language, Financial Management, Music, Real Estate, Special Interest and Travel Tours. In addition, academic and recreational College for Kids classes are offered each semester.
For more information call the Community Service office at (714) 628-4960.Continuing Education Program
Santiago Canyon College Continuing Education Division provides noncredit courses and programs. Beyond providing the means for an adult to take classes for a high school diploma, Continuing Education delivers pre-collegiate education in the areas of basic academic skills and English as a Second Language, citizenship, and short-term career technical programs. It also serves the needs of the disabled and adults with special needs, health and safety and older adults. A full range of personal, career and academic counseling services is available to students enrolled in continuing education classes. Classes are located at a number of educational centers throughout the community, to allow accessibility to match varying student needs. Specific
information regarding admission and registration policies, services available and description of the courses offered can be found in the Continuing Education section of this Catalog. For more information, call (714) 628-5900.

### Cooperative Work Experience Education

The Cooperative Work Experience Education program represents a joint educational venture between the student, the employer, and the college. The purpose of these courses is to provide eligible students with supervised on-the-job training as an integral part of the total college education program. This is accomplished through new learning experiences in an occupational setting. Students may earn up to four units per semester and a maximum total of 16 units in Cooperative Work Experience courses. Students must petition each time they wish to re-enroll. Further information will be found in the academic program of the catalog.

# STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

## COUNSELING SERVICES

**Counseling & Career Development Services**
Counseling services, (714) 628-4800, are provided by counseling faculty to assist students with successful completion of academic, career, and personal goals. Counseling services are organized under these major areas:

**Academic Counseling**
Counselors can help students select a program of study in relation to their educational objective to include associate degree, university transfer, and/or certificates, offer assistance in exploring life goals, and assist students with the development of a comprehensive student education plan. A comprehensive student education plan is a road map to help you reach your educational goal. The customized plan will list the required courses that you will need and helps plan out when to take the courses. Your education plan is designed and tailored to your specific needs, interests and goals.

**Career Counseling**
Counselors can assist students in the development of their career goals and provide information that will indicate the best preparation for reaching these goals. Students are encouraged to enroll in CNSL 116, a three-unit CSU/UC transferable Career/Life Planning & Personal Exploration course for optimal exposure to the world of work and career opportunities.

**Assessment, Orientation, Advisement, and Follow-Up**
Through orientation and advisement, counseling faculty assist students with understanding course placement results in math, reading and English or American College English, and how these courses fit into the development of their education plan. Counselors also provide academic and progress-probation intervention workshops for students not meeting required academic standards.

**Personal Counseling**
Counselors are available to students who need assistance with problems which may be affecting their academic progress. The emphasis is on short-term counseling focused around problem areas or concerns. When appropriate, students may be referred to other campus services for additional assistance.

**Disabled Students Programs and Services (DSPS)**
DSPS is the primary provider of instructional support services and academic accommodations to students with verifiable disabilities attending SCC. Program services are designed to ensure that students have an equal opportunity to participate in, and benefit from, all college programs, services, and activities. To have academic accommodations authorized, students must provide DSPS with disability verification and meet with a DSPS faculty for an evaluation of needs. The academic accommodations authorized for students are determined individually through an interactive process and are based on identified disability-related educational needs. Once authorized, students are then responsible for requesting DSPS academic accommodation letters as early in the semester as possible or at least two weeks before the academic accommodations are needed. Assessment for Learning Disabilities may be available to eligible students at no cost. Students can schedule an appointment by coming to the DSPS office in E-105 or by calling 714-628-4860

**Distance Education**
Distance education means instruction in which the instructor and student are separated by distance and interact through the assistance of communication technology. Santiago Canyon college offers several modes of online instruction, listed below.

**Online (O)**
Online classes are classes in which students work entirely without having to come to the college facility. Arranged proctored tests may be available in this modality (students do not have to come to SCC to take tests); orientations and/or face-to-face class meetings may be optional. Synchronous activities may be required but if synchronous events are scheduled, they will be posted as required in the class schedule.

**Online - Remote Live (OL)**
Remote Live classes are online classes. Online live classes use communication technologies, such as Confer Zoom, to meet online, synchronously. Online Live classes are primarily used in emergency situations, when students and teachers cannot safely meet on campus.
It is important to note that when an on-campus face-to-face class becomes an Online Live class, that class is now an online class and must meet all of our online class expectations.

**Hybrid (H)**
A Hybrid Class is a combination of an Online class and an on-campus class. If any portion of the scheduled class hours are replaced with online learning, the class is considered an online class and must meet our online course requirements. The online portion of a Hybrid class must meet all of our online class expectations.

**Online - Virtual Hybrid (VH)**
Virtual Hybrid classes are a combination of an online asynchronous class and a synchronous Online - Remote Live class. It is important to note that all portions of the Virtual Hybrid class must meet all of our online class expectations.

**HYFLEX (OL)**
HYFLEX classes are a combination of a traditional on-campus class and an Online Remote Live class. Students can choose to attend on campus or online. Student attendance and mode expectations are listed in the class schedule.
All of Santiago Canyon College's online-teaching faculty have completed a comprehensive class on effective online course design and teaching. All Distance Education courses at Santiago Canyon College ensure that there is regular and effective contact from the instructor to the student, from the student to the instructor, and from student to student. A variety of technologies and media are used for communication, assignments, and assessments. At a minimum, Distance Education students must have regular access to a computer with high-speed internet access, word processing and presentation software, multimedia software (such as QuickTime or Windows Media Player), and any software or hardware listed in the course requirements in the class description. The Microsoft Office suite is available to our students for free. Please contact the student help desk for any technology-related questions, concerns, or for instructions on how to get Microsoft Office.
Please check our Distance Education department website, at www.sccollege.edu/DistanceLearning, for resources and to check to ensure that Distance Education courses are right for you.

**Umoja @SCC**
The Umoja Community is a statewide community network of resources and educators, who are "committed to the personal growth and self – actualization of Black/African American and other students".
The Umoja Community at SCC helps students reach their academic and personal goals through counseling, tutoring, mentorship, and cultural activities. The program fosters a supportive community that builds leadership, academic success, and readiness for university transfer. Join Umoja to strengthen your cultural identity and achieve your fullest potential. provides academic advising, counseling, learning communities, program space, workshops, and much more.
SCC's Umoja program is a community gathering space for African American / Black, and other students to come together to honor and celebrate the contributions of Black/African American figures both past & present. The space also provides opportunities discuss the real issues that affect students and the broad African American/ Black community.

Contact Information:
Umoja Program Office: B-211 & B-212
Email: umoja@sccollege.edu
Phone: 714-628-1041

Your Path to Success Starts Here!
Success is within reach and Umoja is here to help you achieve it! Join a supportive community that empowers, encourages, and celebrates your journey. With Umoja, you'll gain the resources, mentorship, and connections you need to thrive and overcome challenges. The Umoja community at SCC will provide you mentorship and connections to thrive at SCC. By joining the Umoja community at SCC, you are joining a movement to ensure your success.
We look forward to seeing you in B-211.

# STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

**Extended Opportunity Programs and Services (EOPS)**

Extended Opportunity Program and Services (EOPS) is a state-funded program that provides specialized assistance to students who need additional support due to financial and educational challenges. EOPS provides comprehensive academic, career, and personal counseling. Additional services include book services, academic supplies, priority registration, university transfer assistance, financial aid application assistance, and additional resources as needed.

EOPS also offers CARE (Cooperative Agencies Resources for Education) to EOPS students that are single parents. CARE students must be receiving public assistance (CalWORKs/TANF/Cash Aid) or have at least one child who receives public assistance. CARE students must be18 years of age or older and designated as a single head of household. CARE services are in addition to EOPS services and may include additional book services, workshops, grants, and academic supplies.

For more information regarding eligibility call (714) 628-4915.

**Hawk Support Center**

The Hawk Support Center (HSC) serves as a one-stop shop for new, current, and prospective students, where they can ask for and receive assistance with anything related to Santiago Canyon College.

The HSC provides step-by-step assistance with all college forms and referrals to all instructional and student support services, so students can take advantage of everything SCC offers.

Services include Self-Service Assistance, Financial Aid Assistance (FAFSA & CA Dream Act Application), Undocumented Student Services, Computer Lab available & Free Printing, Free Tutoring, Student Success Workshops, Campus Referrals, Canvas Support/Navigation, Food Corner, and much more!.

**Foundation**

The Santiago Canyon College Foundation is a 501(c)(3) non-profit organization dedicated exclusively to helping Santiago Canyon College gain the financial resources it needs to ensure that every qualified student, regardless of economic background, has access to an affordable yet high-quality college education. The SCC Foundation raises money for academic

scholarships and provides supplemental dollars for student support programs such as the Hawks Nest Food Pantry and Veterans Resouce Center (VRC). To enhance the quality of our students' overall experience at SCC, the Foundation also supports enrichment programs such as Forensic Debate Team and campus events, including the annual Performing Arts Showcase.

There Is no better value in higher education than community college - nor a more cost-effective way to make sure that every person in our community has a viable path to becoming or remaining a productive citizen.

Your donation to the foundation - in any amount - makes a real difference in the lives of our students. To find out more, please e-mail foundatlon@sccollege.edu or call (714) 628-4790.

**Scholarship Program Office**

Santiago Canyon College scholarships are established by community benefactors, including SCC Foundation, SCC faculty and staff, and outside organizations recognize academic achievement and offer needed financial support. There are scholarships available to students taking credit or Noncredit classes at SCC, those transferring from SCC to four-year colleges, and those entering college at SCC for the first time. Eligibility criteria, application requirements, and timelines vary. Students are invited to explore our list of scholarships and details of the application process on our website at www.sccollege.edu/scholarship. Students can contact the SCC Scholarship Office by visiting E-104 or emailing scholarship@sccollege.edu.

**Guardian Scholars**

The SCC Guardian Scholars Program serves ambitious, college bound students who are current and former foster youth pursing a path within higher education. SCC Guardian Scholars' mission is to support the well-being and empowerment of students on their educational journeys to earning a Career Technical Certificate, Associate's Degree, and/or transfer to a university. We strive to provide a support system and network that is vitally needed for foster youth to ensure a positive college life, both inside and outside of the classroom.

Upon meeting eligibility requirements, Guardian Scholars receive the following support services: Priority registration, one- on-one academic advising, new-student orientation, financial aid, assistance finding on-campus jobs, bus passes, school supplies, textbook assistance, special activities, luncheons, mentoring, friendship and support.

To learn more about Guardian Scholars, contact us at (714) 628-4709, come by our office in A-206, or visit our website at Guardian Scholars.

**The Hawk's Nest: Basic Need Center**

The Hawk's Nest provides basic needs services for credit and noncredit SCC students. Our Hawk's Market pantry provides free and nutritious groceries, including fresh produce and non-perishables. In addition to assisting with groceries, we offer hygiene products, diapers, and other necessities. We can also assist in applying for CalFresh and seeking other community support. To learn more about us and our hours, please visit: http://www.sccollege.edu/hawksnest

Requirements to visit us: Have a student ID number. If possible, please bring a reusable bag to shop in our market.

**High School and Community Outreach**

The High School and Community Outreach Department provides detailed information regarding academic programs and student services that are offered at Santiago Canyon College for incoming students and the local community. The Outreach Department services include:

information and assistance to all prospective students and their families Campus tours for individuals and groups

Ensuring access to and knowledge of campus resources

Promoting academic, career and students services to all prospective students and the community Coordinating community outreach events such as college and career fairs

Parent and community awareness events Weekly high school visits

The Outreach Department also serves as the primary contact for all incoming students entering the college and offers priority registration through the Early Welcome Program offered in April for the subsequent fall semester. For more information, call (714) 628-4808 or visit www.sccollege.edu/outreach.

**Honors and Awards**

Phi Theta Kappa. Phi Theta Kappa is an international honors society that recognizes academic excellence and achievement of students enrolled in two-year colleges. The society offers a myriad of opportunities for scholarship, intellectual enrichment, personal development and academic recognition.

The Beta Eta Rho Chapter of Phi Theta Kappa was organized at Santiago Canyon College in 1998. Membership in Phi Theta Kappa is extended each semester by the local chapter to students who have completed a minimum of 12 degree units with a minimum of grade point average of 3.0. Members receive special recognition when they graduate.

Psi Beta. Psi Beta is the national honor society in psychology for community and junior colleges. The mission of Psi Beta is professional development of psychology students through promotion and recognition of excellence in scholarship, leadership, research, and community service.

Membership in Psi Beta is extended each semester by the local chapter to students who have completed one psychology course and 12 semester hours of total college credit and have an overall GPA of 3.25 with at least a "B" average in psychology courses.

Members receive special recognition upon graduation.

Sigma Chi Eta. The purposes of Sigma Chi Eta are (a) to recognize, foster, and reward outstanding scholastic achievement in communication studies; (b) to stimulate interest in the field of communication; (c) to provide an opportunity to discuss and exchange ideas in the field of communication; (d) to establish and maintain closer relationships and mutual understanding between speech communication studies faculty and students; to explore options for community college students who will transfer to a four-year college or university or enter the world of work. The Omicron Chapter at SCC was founded in 2004. Students who qualify may apply for membership by contacting the advisor, Dr. Melinda Womack. In order to become a member of a Sigma Chi Eta chapter, the student must:

- have completed at least 12 semester hours
- have completed at least three communication courses or 9 semester hours (or at least 12 quarter credit hours) of communication study;

# STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

- have a cumulative GPA of at least 3.0;
- have a communication studies GPA of at least 3.25;
- be in good standing at the college;
- display commitment to the field of communication.Honors Program and Honors Courses

The SCC Honors Program is dedicated to providing an enriched learning environment for high academic achievers so that they may fulfill themselves personally and acquire the skills and knowledge necessary to succeed at the Associate degree or Baccalaureate degree level. The Honors Program encourages critical thinking, sound decision-making, cultural awareness, and effective communication skills through instructional modes that foster independence and responsibility.

**Requirements to enroll in an Honors class**

Regularly admitted students who meet the course prerequisites may take an Honors class. Enrollment in an Honors class does not require membership in the Honors Program. Students must be free of active disciplinary action reports.

Students who completed college work while in high school need to use the college GPA and units. Continuing College students need a minimum 3.0 cumulative GPA from all institutions attended. Transfer students will need college transcripts from all previous institutions.

SpecialAdmit students must have a minimum 3.0 GPA in any college coursework and have a minimum 3.0 GPA in high school.Requirements to join the Honors ProgramSubmit an Honors Program application and requested documentation toAdmissions and Records during the fall or spring semester. Students must be free of active disciplinary action reports.

Applications are not accepted from students who are not currently enrolled. Application, procedures, and deadlines are available on the Honors Program website: www.sccollege.edu/honors.

**Freshmen:**

- First-time freshmen who graduated from high school with a minimum 3.0 GPA may join the program during their first semester at SCC. High School Proficiency cannot be used. Official high school transcripts are required.
- May not be involved in or found at fault in any disciplinary action as outlined in the SCC catalog. Meet with Counselor once per semester for Comprehensive Educational Plan prior to priority registration.
- Continuing College students:Students need a cumulative 3.0 GPA or higher in 6 or more units from all colleges attended. Have no grade lower than a "C" in any college-level Honors class.
- Meet with Counselor once per semester for Comprehensive Educational Plan prior to priority registration.
- May not be involved in or found at fault in any disciplinary action as outlined in the SCC catalog.Special Admit students: Current high school students are not eligible to join the Honors Program. GPA in college units completed while in high school could affect future ability to enroll in honors classes and the Honors Program.
- Requirements to continue in the Honors ProgramMaintain a cumulative 3.0 GPA or higher.Earn grades of "C" or above in all Honors classes.Earn grades of "C" or above in all college-level classes while in the program. Meet with Counselor once per semester for Comprehensive Educational Plan prior to priority registration.
- Remain free of any disciplinary action as outlined in the SCC catalog. Requirements to complete the Honors ProgramSubmit the Honors Program Completion Petition to Admissions and Records. The petition and deadlines are available on the Honors Program website: www.sccollege.edu/honors.
- Maintain a cumulative 3.0 GPA in all college units, including remedial and honors coursework.
- Complete Honors Program unit and residency requirements:Complete a minimum of 15 honors units with a minimum of 1 course from each category listed below within the Rancho Santiago Community College District.

**OR**

- Completion of 18 honors units from any category.
- 12 of the 15 units must be completed at Santiago Canyon College. One course may be complete at an accreditied college. 12 of the 15 units must be completed after acceptance to the programA single course may not meet more than one Honors Educational Category. In addition to the Honors Educational Category requirements (1-3), additional Honors units will be needed to fulfill the 15 unit requirement.
- Honors Educational Category 1: English, Communication, Arts and HumanitiesHonors Educational Category 2: Mathematics, Physical and Biological SciencesHonors Educational Category 3: Social and Behavioral SciencesSee Honors Program website or Honors Program Counselor for course offerings. Earn grades of "C" or above in all college units, including remedial and honors coursework, while in the program. Honors courses must be taken for letter grade (P/NP grades are excluded).
- Disqualification from the Honors ProgramStudents with a cumulative GPA below a 3.0 or who receive a "D" or "F" in an Honors class will be disqualified from the program.
- Students whose cumulative GPA falls below 3.0 anytime during their enrollment at SCC, or who receive a "D" or "F" in an Honors class will be disqualified from the Honors Program for the duration of their enrollment at SCC. Students may appeal disqualification from the Honors Program to the Honors Program Committee. Contact the Honors Program Counselor.
- Students who earn a "D" or "F" in an Honors class may repeat the non-Honors version, but they will not be allowed to complete the Honors program.

**President's Scholar**

The President's Scholar designation is placed on the transcript and diploma of the graduate who has achieved a cumulative grade point average of 3.5 and completed the Honors Program. All letter grades must be "C" or better. Students with Academic Renewal Without Course Repetition are not eligible for President's Scholar. Students may not receive the President's Scholar designation if an associate degree from Santiago Canyon College has already been granted. Students participating in graduation ceremonies will be presented with a medallion.

Completion of the Honors ProgramThe designation Honors Program Completion is placed on the transcript of students who complete all Honors Program requirements. It is also placed on the diploma of students who earn an associate degree.

**Learning Communities**

SCC Learning Communities provide interdisciplinary learning opportunities to communities of students, offering integrated education in a supportive, collaborative academic work. Learning Communities are connected courses that share common themes, activities, and assignments to create an enriched learning opportunity for students. Students who are members of a Learning Community take their courses as a group and become a community of learners.

Why Should I Join a Learning Community?ï

Students in Learning Communities get the support of a team of professors and a community of their fellow students in their Learning Community courses.

- Students in Learning Communities are more likely to fulfill their academic goals of transferring from a community college to a four- year university and

# STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

of graduating from the university than traditional students.

- Students in a Learning Community get better grades in their courses—even in their courses that aren't part of the Learning Community—than traditional students.
- Students in a Learning Community get more involved in campus life and activities than traditional students and report that they enjoy their college experience more and feel they get more out of it than traditional students.

For more information, please visit our Learning Communities
https://www.sccollege.edu/Departments/Learning Communities

**Lorenzo A. Ramirez Library**

The Lorenzo A.Ramirez Library collection contains over 40,000 books in print format and over 15,000 electronic books as well as DVDs and music CDs. Full-text journals, magazines, and newspaper articles are available through online databases. Remote access to most library resources are available through the Library website. In-class library workshops and self-paced modules provide instruction in using library resources.
In addition, the Santiago Canyon College Library offers student computer workstations, laptop computers, a wireless network, group study rooms, and an instruction lab. There are black/white and color copiers, printers, and scanners.
The Student Innovation Zone (SIZ) provides students with the opportunity to be creative in their academic work with PC, Apple computers, and multimedia editing software.
Research assistance is available in person and online. The Library can be reached at (714) 628-5001 or online at www.sccollege.edu/library.

**Math Success Center**

The Math Success Center (MSC) is a free service provided by SCC that provides students with supplemental learning in the classroom. Math faculty, Instructional Assistants, and student tutors are always on duty to assist students with questions from their math class. Additionally, computers are available for students to access mathematical software or complete internet-based assignments for any math class. The MSC is located in room D-209. Students can enroll in HSOTH153 Supervised tutoring on their first visit to the MSC and immediately start using the center.
Math Success Center Website.
http://www.sccollege.edu/MSC

**Online Student Services**

The SCC Student Services website, www.sccollege.edu/StudentServices, is designed to inform and assist students with counseling information and eAdvising. Students can also request transcripts, apply for financial aid, find scholarships, pay fees, purchase a parking pass, download forms for most programs and services, view transfer workshops and presentations, research careers and find jobs and internships.

**Pathways to Teaching Program**

The Pathways to Teaching Program is designed to encourage and support students to pursue an education leading to the teaching profession. Services include academic counseling and transfer assistance, specialized workshops and events, appointments with university representatives, teacher preparation resource information, internships, volunteer opportunities and the SCC TEACH! student organization. For more information about the Pathways to Teaching Program, drop by on the Third floor of E building or call (714) 628-4928.

**Rising Scholars**

Project RISE is a year-round program for both credit and noncredit students designed to empower and support formerly incarcerated and system impacted individuals. Project RISE's goal is to provide students with the knowledge and resources needed to successfully complete the students' personal and academic goals. Services include : academic and career counseling, personalized assistance with college credit enrollment and services, workshops and events specifically for individuals with an incarceration experience and guidance on applying for financial aid and registering for classes. Project RISE students also have access to referrals to community resources, including childcare, housing, food, clothing, health, and legal.
For more information on Project RISE, please contact Albert Alvano by phone at 714-628-1048 or e- mail alvano_albert@sccollege.edu.
Visit the Project RISE office at 8045 E. Chapman Ave. Room U-80 Orange, CA 92869 or online at http://www.sccollege.edu/RisingScholars

**Public Affairs**

Information and publicity regarding college programs and activities is disseminated to the news media and the community through the Rancho Santiago Community College District Public Affairs office.

**Scheduling Options and Definitions**

Santiago Canyon College schedules two 16- week semesters (fall and spring) with a summer session, and may offer a spring intersession schedule. Courses may be offered through different modalities such as traditional face-to-face or online. For more information about online learning or classes, see Distance Education page 26.
Term = a period of a time within an academic year when courses are scheduled (fall, spring, summer, spring intersession)Semester = 16 weeks, scheduled every fall and springSummer Session = typically offered within a 4, 6 or 8 week period, can be scheduled after spring but before fall
Spring Intersession = typically offered in 4 weeks, can be scheduled after fall but before springIn an effort to work with student schedules, Santiago Canyon College offers a variety of scheduling options during the fall and spring semesters:
Short Term = less than 16 weeks, can be 8 weeks, 10 weeks or 12 weeksEarly Start / Late Start = 8 weeks, spans either the first 8-weeks or second 8-weeksWeekend = offered Fridays, Saturdays, and/or Sunday

**Science Teaching and Resource Center**

The Science Teaching and Resource Center (STAR Center) is designed to help students in all science classes (Astronomy, Biology, Chemistry, Geology, and Physics) to succeed. The curriculum for the center includes Question and Answer sessions, Directed Learning Activities (DLA), and Student-led study groups. All services provided through the STAR Center are geared towards engaging science students and enhancing their success.

**Student Health and Wellness Services**

Currently enrolled credit students who have paid their health fees are eligible for Student Health and Wellness Services (SHWS). Walk- in health services are routinely provided by registered nurses. Routine Services of physicians and psychologists are available by appointment only. Most services are provided without charge, except nominal fees for medications, laboratory tests and some medical procedures when supplies are used.
Emphasis is on health maintenance and wellness promotion. On-site medical services include the diagnosis and treatment of acute, short-term illness, first-aid, pregnancy testing, hormone based contraception, emergency contraception, cervical cancer screening, sexual-transmitted infection (STI) testing, condoms, over-the-counter medications, tuberculin skin or purified protein derivative testing (PPD), tobacco cessation counseling, diet/nutrition counseling, and general physicals. Local emergency medical services (EMS) and referrals are utilized as needed.
SHWS also offers psychological services and short-term mental health therapy counseling along with crisis intervention. Telehealth therapy appointments can also be available upon request.
TimelyCare is also available for 24/7 telehealth coverage for medical and therapy services. This is available at no additional cost to any enrolled student, regardless of credit or non-credit coursework.
Visit the website or call Student Health and Wellness during operating hours for any questions or concerns. (714) 628-4773 www.sccollege.edu/shws.

**Student Support Services – TRIO**

Student Support Services – TRIO (SSS- TRIO) is a federally funded program that supports underserved first generation, low- income, neurodiverse students who test into developmental Math & English achieve their educational goals. The purpose of SSS-TRIO is to provide support and resources to enable students to overcome challenges and make use of their inherent talents and abilities to succeed in college and in life. provides personalized academic and personal growth coaching, one-on- one tutoring, holistic counseling, book loan services, calculator & laptop loan services,

# STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

priority registration, Summer Bridge, placement test preparation, student success workshops, campus referral services, supplies, and additional resources for students.
To learn more about SSS-TRIO, please contact us at (714) 628-5033, visit us at A-104, or go to our website.

**Supplemental Instruction**

Supplemental Instruction (SI) is an academic support program that targets historically difficult courses. SI offers regularly scheduled out-of-class review sessions to all students enrolled in a targeted math or science course. SI study sessions are informal seminars where students work on practice problems, review notes, discuss readings, develop organizational tools, and prepare for Students learn how to integrate course content with reasoning and study skills. Students attend SI sessions voluntarily, and no effort is made to segregate students based on academic ability. Since SI is introduced on the first day of classes and is open to all students in the class, SI is not viewed as remedial. To learn more about the SI program and see a list of courses offering SI, visit the website. Website: https://www.sccollege.edu/academics/areasofstudy/stem/SitePages/STEM-Supplemental-Instruction.aspx

**Embedded Tutoring**

Embedded Tutoring (ET) is an academic support program that targets historically difficult courses. ET offers regularly scheduled, out-of-class tutoring sessions to all students enrolled in a targeted course. During ET sessions, students can get on-demand help with homework problems and lecture concepts. ET sessions are facilitated by student tutors who have previously and successfully completed the targeted course. Tutors attend all class lectures, take notes, and act as model students.

**Transfer Center**

The Transfer Center provides resources and services to assist students in researching, planning, and completing their transfer to a four-year college or university. The Transfer Center coordinates various events throughout the year, including tours of universities, university representative advising appointments, transfer fairs, and a variety of workshops to help students with each step in the transfer process. In addition, the Transfer Center provides many useful resources such as; assistance with applications, personal statement assistance, updates via social media and e-mail, computers for use in research and completing applications, a comprehensive website and Canvas resource course, and expert advice from trained staff and counselors. SCC's Counseling Department and the Transfer Center work in tandem to support students. The Counseling Center has skilled counselors available to help develop a comprehensive student education plan outlining courses needed for successful university transfer. For more information, stop by D- 104-N, call (714) 628-4865, visit www.sccollege.edu/transfer, and follow us @SCCTransfer on Instagram.

**Transportation**

Some classes may be conducted off campus. Unless students are specifically advised otherwise, students are responsible for arranging for their own transportation to and from the class site. Although the district may assist in coordinating the transportation and/or recommending travel times, routes or caravanning, be advised that the district assumes no liability or responsibility for the transportation, and any person driving a personal vehicle is NOT an agent of the district.

**Tutoring Services**

Online tutoring is available through NetTutor, where all of the tutors hold bachelor's degrees, and many hold graduate degrees in their field of expertise. Online tutoring is a convenient and interactive experience for students to access tutors in a variety of subjects. Access NetTutor through your Self-Service college account.

**Upward Bound Math and Science**

The Upward Bound Math and Science (UBMS) program aims to strengthen the math and science skills of participating high school students. UBMS' purpose is to help students recognize and develop their potential to excel in math and science, encourage them to pursue postsecondary degrees in math and science, and ultimately careers in the math and science profession. Santiago Canyon College's UBMS program serves students enrolled at El Modena High School and Orange High School. For more information, please contact us at (714) 628-5012, visit us at A-206, or go to our website at:
www.sccollege.edu/Departments/upwardboundms

**Veterans Resource Center**

Students interested in seeking Veterans Service Office (VSO) at Santiago Canyon College (SCC) should go to the Veterans Resource Center (VRC) in room A-210. Veterans Services assists qualified veterans with support services such as, access to VA Educational Benefits, priority registration, educational counseling, and psychological services. The VSO also provides support to the success of students with disabilities by providing resources and information that promote access, equal opportunity and empowerment. A knowledgeable office staff specializing in veterans' affairs is prepared to assist students at SCC at (714) 628-4793. Rancho Santiago Community College District is approved by the California Bureau for Private Postsecondary training of veterans and eligible persons. Educational opportunities are available for college credit which include associate degrees, transfer degree programs, and certificates.

**Eligibility**

Veterans who qualify to receive benefits under the Montgomery Bill-Active Duty (Ch. 30), Montgomery Bill-Selected Active Reserve (Ch. 1606), and eligible persons under the Survivors and Dependents Educational Assistance Program (Ch. 35) are encouraged to take advantage of their educational entitlement.
Veterans with a minimum of 90 days aggregate active service on or after 9/10/01 may be eligible for the post 9/11 GI Bill® (Ch. 33). This program includes basic housing allowance (BAH), book stipend, and tuition/fees.
Veterans with a service-connected disability may be eligible for vocational rehabilitation (Ch. 31) benefits. This program provides eligible veterans with a monthly allowance as well as payment for tuition, most fees, and necessary books and supplies. For further information, applicants should seek further information regarding eligibility from the VA Regional Office, Los Angeles, 1-800-827- 1000 or 1-888-442-4551 or by contacting the local Orange County Veterans Service Office, Santa Ana, (714) 480-6555.

**Applying for Benefits**

Each veteran and eligible person who are seeking to apply for VA benefits, must apply for these benefits by visiting the Veterans Benefits Administration website at: www.benefits.va.gov. In addition, any person who wishes to attend a college in the Rancho Santiago Community College District must follow the admissions procedures. See index for details on enrollment. A copy of discharge paper-DD214 is required of all new veterans and a copy of DD2384 of new Chapter 1606/1607 reservists who are using their educational benefits for the first time.
Post-911 GI Bill® and VR&E Beneficiaries (Chapter 33 and Chapter 31 beneficiaries) The Veterans Benefits and Transition Act of 2018 (Public Law 115-407) allows students that will be utilizing Ch. 33 or Ch. 31 VA benefits to attend a course of education or training for up to 90 days from the date the beneficiary provides a certificate of eligibility (COE) or valid authorization from VOC Rehab counselor. The school will not prevent enrollment, assess a late penalty fee, require students to secure alternative or additional funding or deny access to any resources available to other students who have satisfied their tuition and fee bills to the institution. Students must submit all required certification request forms directly to the Veterans Resource Center (VRC) for processing, including any additional information needed to properly certify the enrollment as described in the school's institutional policies. Submission of forms will allow students to attend the course until the VA provides payment to the institution without penalty or requiring to borrow additional funds to cover mandatory tuition and fees due to late payments from the VA. Any student that does not have 100% entitlement for Ch. 33 VA benefits, will be responsible for any remaining balance after the VA submits payments directly to the school. For further information, please contact the VRC directly.

# STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

**Transcripts and Program Approval**

VA regulations stipulate that prior credit must be evaluated. With this in mind, the VSO requests that all official transcripts be on file with the Admissions Office by the end of the first term of attendance. This will avoid any delays in payments and/or overpayments if applicable.

Students utilizing VA Educational Benefits at SCC must select a major and each course approved prior to registering for each term. The VA requires that the VSO monitor progress towards a specific degree plan; therefore for VA certification purposes, students must enroll in courses that are part of their current educational plan specifically required for that major. College counselors are available to provide comprehensive counseling services for day and evening students; call (71) 628-4800 to schedule an appointment with Santiago Canyon College Counseling Department. If you have attended previous school(s), official transcripts must be on file before a college program can be evaluated thoroughly by the counselors.

**Military Credit**

SCC will only evaluate credit from regionally accredited institutions. Three units for health education and one unit for kinesiology may be granted on the basis of military service. When a veteran petitions for graduation and needs these units for graduation purposes, Veterans should seek confirmation directly with the Graduation Office.

**General Information**

The VA will pay education benefits for eligible veterans and dependents of veterans. The payment will depend on a number of factors including but not limited to: benefit type, benefit eligibility percent, number of active certified units, training type, etc. See the VSO for more information.

Veterans and their eligible dependents or spouses must maintain good academic standings and progress with the college as outlined in the school catalog (see Academic and Progress Probation/Dismissal). Students who fail to make academic progress will be placed on Academic Probation and/or Course Completion Probation accordingly. Students who are on probation for two consecutive terms after failing to demonstrate academic progress may lose priority registration and CCPG eligibility. Students who are on Academic and/or Progress Dismissal from the college cannot be certified for VA Educational Benefits. For further detailed information, please see the College Policies and Procedures section.

**Writing Center**

The Writing Center is designed to assist students in their study, practice, and communication of English. The Writing Center exists to promote student success, particularly in skills fundamental to effective communication in all disciplines, so we welcome all SCC students, not only those enrolled in English classes but also students taking any course in which writing assignments are

English Department professors as well as our Writing Center Instructional Assistant, Donna Collins, staff the center in order to best serve students' needs.

In working with a professor, students may focus on improving their writing in a number of areas: developing an assignment's content, organizing their ideas, and enhancing their sentence structure and vocabulary. Moreover, we believe students are most capable of writing well if they can learn to identify their own errors and develop the skills to correct those errors in a way that reveals a unique tone and style, so WC staff will assist them in using proper grammar and punctuation as well as in developing their own voices. Website: www.sccollege.edu/WritingCenter

**What the Writing Center offers**

- Mini-lectures and workshops on grammar and punctuation
- One-on-one conferencing with English professors
- Guidance about the writing process, from early planning stages to final polishing ones
- Assistance with various writing assignments, including essays, resumes, and college applications and personal statements
- Directed Learning Activities worksheets
- Internet access for research

**What the Writing Center does not offer**

- Editing sessions
- Proofreading services
- Computer use for emails
- Computer use for typing non-academic materials*WC hours are subject to change

# STUDENT LIFE AND LEADERSHIP

**Student Activities**

Student Life and Leadership, Associated Student Government (ASGSCC), Student Clubs and Organizations-Inter Club Council (ICC), Student Leadership Institute (SLI).

**Alumni Network**

The SCC Alumni Network was founded to promote and facilitate a lifelong relationship between Santiago Canyon College and its former students to encourage ongoing alumni support for the college. Former students qualify for membership in the Network if they have completed at least nine (9) units of academic coursework at SCC.

A robust alumni network is a vital link to SCC's past and an important factor in building the reputation and financial health of the college. The network is also a resource for SCC alumni seeking to build their professional networks, becoming involved on campus, or just having fun and reconnecting with fellow Hawks. The list of benefits of being an SCC alumnus continues to grow. Alumni are also invited to join the SCC Alumni Association, which will officially launch for the 25th Anniversary of SCC in 2025. For more information, go to sccollege.edu/alumni, email alumni@sccollege.edu, or call the SCC Foundation Office at (714) 628-4790.

**Associated Student Government (ASG)**

The Associated Student Government was established to provide students with government and leadership experience. Opportunities are available to become involved in campus and statewide committees and councils as student representatives. In ASG, students learn firsthand about group dynamics and decision making, program planning, and running effective meetings. Additionally, there are many student clubs and organizations to join. For more information please visit www.sccollege.edu/studentlife or call (714) 628- 4912.

**Benefits:**

- Students can avail themselves to specially designed programs and activities that are created and developed to enhance the student academic experience, such that they will be able to apply their new knowledge and successfully achieve their educational goals.
- Students will engage with other students to create learning communities that allows everyone to share their understanding of their identity, strengths, talents and common interests within a safe, nurturing environment.
- Mentorship by SCC educators and leaders, as well as community members, is woven into programming and allows students to receive guidance from an eclectic cadre of dynamic people.
- Students will develop and strengthen their leadership skills by actively engaging in campus events, programs, and activities under the guidance of professional advisors who bring expertise in academic programming and student services. This collaborative experience connects students with professional mentorship while providing opportunities to apply leadership skills, build confidence, and contribute meaningfully to the campus community.

**Future Development:**

We invite you to continue to check back to discover the ongoing calendar of events, information and resources available to you.

**ASG Student Lounge**

The ASG Student Lounge is a welcoming, inclusive space designed for all Santiago Canyon College students to relax, connect, study, and take a break between classes. Whether students need a quiet place to recharge, a space to meet with friends, or an opportunity to participate in campus life, the ASG Student Lounge provides a comfortable environment where everyone belongs. Students clubs and organizations can reserve this space by calling: 714.628.4912.

**Student Clubs and Organizations**

The Inter-Club Council (ICC) represents all active student clubs and organizations on campus to promote leadership development, networking, communication skills and campus life. For a list of current clubs and organizations, or to form a new club please visit: www.sccollege.edu/studentlife.

**Student Life and Leadership**

The office of Student Life and Leadership promotes and supports students' co-curricular Interests and provides excellent opportunities through the Student Leadership Institute (SLI), the Associated Student Government (ASG), Inter-Club Council and student organizations. The office also provides a variety of services to students, faculty, and staff through assistance with student- focused event planning. For more Information, please call (714) 628-4912 or visit http://www.sccollege.edu/studentlife. Or visit office A-105.

**Program Services**

There are many incentives and support services when you join our Umoja Program, including but not limited to:

Orientation

- Get to know the program and the school with help from Umoja Program staff and students.

Academic Counseling

- Online Educational Counseling is available to Umoja Students

Liberation Library

- Loan Books on topics of Black Excellence, Social Justice, Tips for Academic Success, and more.

Umoja Mentor Program

- Connect with Second Year Umoja Students to ease the transtion of college

Increase academic skills and abilities

- Get tutored by other Umoja Students
- Motivational and educational workshops
- University and Cultural Tours
- Community service opportunities
- Attend State-Wide Umoja Community Conferences, Summits, and Symposia

**Academic Competitions**

Forensics Intercollegiate Athletics Model United Nations SCC Athletic Achievements

**Forensics**

Forensics is more commonly known as competitive speech and debate. The SCC Forensics team was one of the first signature programs to be offered when the college was first accredited. Members of the team travel to local tournaments on select weekends and perform persuasive speeches, debates, impromptus, poetry, drama, and many more. This co-curricular activity provides students with an excellent opportunity to stand out on transfer and job applications. Forensics teaches skills that are useful in any industry, but are particularly well-suited for students that are seeking careers in broadcasting, law, politics, and public relations. The team is open to all students, and students with no prior experience

**Intercollegiate Athletics**

Santiago Canyon College, home of the Hawks, is proud of its athletic teams and their rich athletic history. The college has fielded teams since 1999 and now offers competitive opportunities for student athletes in seven sports: men's and women's cross country, men's and women's soccer, softball, and men's and women's volleyball.

The Hawks compete in the highly competitive Orange Empire Conference (OEC) under the auspices of the California Community College Athletics Association. SCC's outstanding coaching and teaching staff, combined with an excellent system of academic assistance, has helped eligible students transfer to four-year colleges and universities.

2012 saw the opening of the new athletics and aquatics complex at Santiago Canyon College. The facility includes a fully equipped fitness center, strength lab, aerobics studio, men's and women's locker rooms, athletic training facilities, three indoor courts, a swimming pool and administrative offices.

All prospective student-athletes with questions about eligibility should contact the Director of Athletics at (714) 628-4816.

**Model United Nations**

Professor Cale Crammer at **cale_crammer@sccollege.edu**

The SCC Model United Nations program offers students the opportunity to learn about global issues and international politics in an interactive team environment. What makes MUN fun and exciting is it allows students to take what they learn in the classroom and apply it to what is going on in the real world. The program creates a space where students can come together, get involved, and build lasting friendships. Students who participate in MUN also gain essential life skills. The skills we focus on are:

- Critical and creative thinking
- Problem-solving
- Decision making
- Effective communication
- Interpersonal relationship skills
- Team and rapport building
- Conflict resolution

# STUDENT LIFE AND LEADERSHIP

Perhaps the biggest highlight of the SCC MUN program is our participation in local and national MUN conferences.The team travels to exciting places like Washington, D.C., and New York. While in D.C. and New York, students get the unique opportunity to meet with diplomats and practitioners in the field. We also visit the State Department and the United Nations. These are once in a
lifetime experiences that draw students back to the program semester after semester.

**How to Join MUN**

How do you get involved with MUN at SCC? The easiest way is for students to enroll in POLT 150 - Model United Nations. This course introduces students to global issues and the ins and outs of Model UN. It is both UC and CSU transferrable. Students who are unable to enroll in POLT 150 because of scheduling conflicts may participate in the MUN club.

**Want to Learn More?**

If you would like to learn more, please feel free to contact: Professor Crammer at **cale_crammer@sccollege.edu**

**SCC ATHLETIC ACHIEVEMENTS**

**Cross-Country**

National Rank (Team):2003 Men's Cross Country (#8)
Top-10 State Rank (Team): 2003 Men's Cross Country (#3)

**Men's Basketball**

Southern California Regional Finalist 2018

**Men's Golf**

State Finals Team 2014, 2011 (4th)
Men's Individual State Golf Champion - Connor Covington 2010
Orange Empire Conference Champions 2006

**Women's Golf**

Regional Finalists 2009, 2008, 2007
Orange Empire Conference Champions 2009, 2007

**Women's Soccer**

National Champions 2009
State Champions 2018, 2009, 2006
State Finalists 2018, 2017, 2014, 2013, 2012, 2011, 2009, 2007, 2006
Regional Finalists 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2009, 2008, 2007, 2006, 2005, 2004
Orange Empire Conference Champions 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005,
2004
Academic State Champions 2012, 2010, 2006, 2005

**Women's Softball**

State Champions 2016
State Finalists 2014
Finalists 2018, 2017, 2015, 2014, 2013.Orange Empire Conference Champions 2014

**Track and Field**

Top-10 State Rank (Team)
2007 Women's Track & Field (#9)
National Community College Record
Women's 3000 Meter Steeplechase 2007 - Jenni Bair-Johnson (Track & Field)

# FINANCIAL AID AND SCHOLARSHIPS

Financial aid is funding that helps students pay for college and may include grants, work-study, loans, and scholarships. Financial aid can come from federal, state, college, and/or private sources. To apply for financial aid, students must complete either the Free Application for Federal Student Aid (FAFSA) at www.studentaid.gov or the California Dream Act Application (CADAA) at dream.csac.ca.gov. If parent income information is required, students should refer to their federal IRS tax forms or, for FAFSA applicants, use the IRS FA-DDX to transfer tax information.

Students applying for a Cal Grant must also complete the GPA verification process. If you have completed 16 degree-applicable units at Santa Ana College or Santiago Canyon College, your GPA will be automatically submitted to the state. If you have not completed 16 degree-applicable units, you must submit your high school GPA using the paper GPA Verification form. Cal Grant deadlines are March 2 for maximum award consideration and September 2 for the returning-student competitive award cycle.

**General Eligibility Requirements:**

- Be a US citizen or eligible non-citizen. (FAFSA only) or AB540 eligible (CADAA only).
- Must have a high school diploma; pass a GED exam or the California High School Proficiency Exam. Must have a valid Social Security Number. (FAFSA only)
- Meet Satisfactory Academic Progress requirements. Not be in default on any federal student loan or owe a refund on any federal grant funds.
- Be enrolled in an eligible program of study leading to a degree, transfer, or a certificate.

Withdrawals and Repayments of Financial Aid Funds:

Federal regulations may require students to repay federal financial aid if they drop, fail, or withdraw from classes, are dropped by an instructor, or receive an F with a documented last date of attendance. Students who partially withdraw after receiving a disbursement and before the Title IV Freeze Date may also be required to repay a portion of those funds. When a student officially or unofficially withdraws, the Financial Aid Office must determine how much aid was earned and whether any funds must be repaid.

Students who successfully complete at least 6 units each semester, may not be required to repay a portion of the funds received. Dropping below half-time will affect the amount awarded and may disqualify you from certain programs.

**Financial Aid Programs**

**Cal Grants**

Cal Grants are available to California residents attending eligible California colleges who meet all criteria and are enrolled in at least 6 units. The programs are administered by the California Student Aid Commission (CSAC). Students must complete the annual FAFSA or CADAA by the deadlines of March 2nd and September 2nd for community college students. Cal Grants also have a GPA verification required by CSAC. Cal Grant award amounts are published annually by CSAC at *www.csac.ca.gov.*

**Cal Grant A**

Eligibility is based on financial need and GPA. Assistance is provided to meet tuition and fee costs at four-year universities. Awards to community college students may be placed on "reserve" for a maximum of two years until they transfer to a four-year institution.

**Cal Grant B**

This Grant is provided to students from low-income families with living allowance and tuition and fee assistance to attend college. This grant may be used at community colleges and universities, not to exceed four years. Cal Grant B students also receive tuition costs at the same levels as Cal Grant A, except at community colleges.

**Cal Grant C**

This grant is intended to assist students who are pursuing an occupational, technical, or vocational program that will result in a certificate or associate degree. Students enrolled in a transfer program are ineligible.

**Cal Grant Students With Dependent Children**

Cal Grant students with dependent children attending a University of California, California State University, or California Community College campus may be eligible for an access award of up to $6,000 for qualifying Cal Grant A and B recipients and up to $4,000 for eligible Cal Grant C recipients.

**California College Promise Grant (CCPG)**

The CCPG waives enrollment fees for eligible California community college students. Once your FAFSA or CADAA is processed, the Financial Aid Office will determine your eligibility. If you qualify, your enrollment fees will be waived.

Students who do not complete a FAFSA or CADAA may apply for the CCPG by completing the application online or on paper. The CCPG is available to eligible low-income students, children of veterans, and students or families receiving certain types of government assistance. A student may be considered independent on the CCPG application but dependent on the FAFSA. Students must meet CCPG Academic and Progress Standards to remain eligible.

**California College Promise Scholarship**

The Santiago Canyon College Promise Scholarship provides incoming, full-time students with one year of college, tuition free regardless of family income. General requirements include be a first-time, full-time (12+ units) college student, California resident or AB540 eligible, and complete and submit a FAFSA or CADAA. See the Hawk Support Center for more details.

**Dreamer Service Incentive Grant (DSIG)**

DSIG provides financial assistance to eligible California Dream Act students who complete approved community service or volunteer activities. The program supports students attending eligible California colleges and universities while encouraging community engagement. Students must meet specific eligibility requirements and complete the required service hours to receive the grant. CADAA filers must be eligible for Cal Grant disbursements and may apply through their CSAC WebGrants 4 Students account.

**Chafee Grant**

This grant is available to students who are or were in foster care for at least one day, between the ages of 16 and 18 as a dependent or ward of the court and have financial need. Awards are $5,000 per year and the program has limited funding. To apply, students must submit the FAFSA or CADAA and the separate Chafee Grant application. There is a maximum age limit of 26 as of July 1 of the award year. No payments are made beyond the age of 26.

**Federal PELL Grant**

The Federal Pell Grant is a federally funded grant for eligible undergraduate students who demonstrate financial need. The amount awarded is based on factors such as the student's Student Aid Index (SAI), cost of attendance, and enrollment status. If you apply late and are eligible, you may receive a retroactive payment for the academic year, subject to eligibility and applicable deadlines. Federal Pell Grant eligibility is limited to the equivalent of 12 full-time semesters (600%).

**Federal Supplemental Educational Opportunity Grant (FSEOG)**

The FSEOG is a federally funded grant for eligible undergraduate students who demonstrate exceptional financial need. Priority is given to students who receive Federal Pell Grants. Students must be enrolled in at least 6 units per semester, and funds are limited. Early applicants are given priority.

**Federal Work-Study Program (FWS)**

Federal Work-Study (FWS) is a need-based financial aid program that provides eligible students with part-time employment opportunities to earn money to help with educational expenses. FWS is awarded as part of a student's financial aid package based on financial need and available funding.

Students must complete the FAFSA, meet FWS eligibility requirements, receive an Award Offer Letter from Financial Aid, and maintain at least 6 units during the Fall and Spring terms. Students may work up to 20 hours per week.

Important: Receiving an FWS award does not guarantee on-campus employment

**Student Success Completion Grant (SSCG)**

Cal Grant B & C Eligible Students who are attending Full-Time (12+ units) may also be eligible to receive SSCG up to $4,000 per academic year sponsored by the California Community College Chancellor's Office.

# FINANCIAL AID AND SCHOLARSHIPS

**William D. Ford Federal Direct Loan Program**

The student loan program provides eligible students with the opportunity to borrow funds directly from the U.S. Department of Education. Students must meet federal financial aid eligibility requirements to participate. Subsidized Direct Loan is a need-based loan that is available to eligible undergraduate students. The federal government generally pays the interest while the student is enrolled at least half-time and during other qualifying periods.

Unsubsidized Direct Loans are not based on financial need. Students are responsible for the interest that accrues from the time the loan is disbursed, including while they are enrolled in school.

Dependent undergraduate students may borrow up to $3,500 in subsidized loans as first-year students and $4,500 as second-year students, with additional unsubsidized loan eligibility depending on dependency status and other factors. Independent students and certain dependent students may qualify for additional unsubsidized loan amounts. Students should contact the Financial Aid Office for current annual and aggregate loan limits.

Parent PLUS loans allows parents of dependent undergraduate students to borrow on behalf of their student. The U.S. Department of Education conducts a credit check as part of the application process. Interest begins accruing when the loan is disbursed, and repayment generally begins after the loan is fully disbursed.

**Student Consumer Information– Right-To-Know Disclosure Information**

Federal regulations require all campuses to provide specified information to prospective and current students, staff and the general public. Listed below are those items that must be available for review per federal regulation.

The federal Higher Education Act, the federal Equity in Athletics Disclosure Act (EADA), and regulatory guidance provided in the Code of Federal Regulations (CFR) require direct individual notices of prescribed information to certain target audiences including prospective students; currently enrolled students; current employees; parents, coaches and counselors of prospective student athletes; and the general public. Disclosures are to include crime/security statistics, student completion/graduation rates, FERPA privacy/security rights, financial aid program information, and gender-specific information on athletic participation and financial support.

Please click the following link to view Consumer Information: https://www.sccollege.edu/campus/SitePages/Consumer-Information.aspx.

**Student On-Campus Job Placement Office**

The On-Campus Job Placement Office operates under the umbrella of the Student Support Services, aiding students in advancing their leadership skills by placing them in on-campus student work programs. Student employment can assist with education cost and also develop desirable work attitudes and habits while working in a professional environment. Upon determining eligibility, students are matched with departments based on their educational goals. This work experience is intended to compliment the educational process and to enhance future employment.

For more information, the On-Campus Job Placement Office is located in E-104 or go online at *https://www.sccollege.edu/StudentServices/StudentPlacement.*

# EDUCATIONAL OPTIONS

**Associate Degrees**

The Associate Degree is a certification of the student's satisfactory completion of a program of study with a specific major or area of specialization. The Associate Degree is normally completed in two years, compared with the Baccalaureate Degree, which is normally completed in four years. Associate Degrees are commonly conferred by community colleges and are referenced as "local degrees". They are usually of two types, the Associate of Arts and the Associate of Science. The distinction between the Associate of Arts and the Associate of Science degrees lies in the majors. If the major is in the fields of engineering, physical or biology science, or occupational curricula, the degree conferred is usually the Associate of Science. Otherwise, the Associate of Arts degree is conferred.

Ordinarily, Associate Degrees have one of two major purposes. Either the program of study prepares the individual for transfer to a four-year college or university or the program of study is intended to prepare the student for immediate employment.

**Associate Degrees for Transfer**

California Community Colleges are now offering associate degrees for transfer to the CSU These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-Tor AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses.

Students who have been awarded an AA-Tor AS-Tare able to complete their remaining requirements for the 120-unit baccalaureate degree within 60-semester units or 90 quarter units.

Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

**To earn an associate degree for transfer, a student must fulfill the requirements listed under I, II and III below.**

**I. Unit and Residency Requirements** - 60 UNITS of CSU-transferable semester units are required, with at least a 2.0-grade point average. While a minimum of 2.0 is required for admission to the CSU, some majors may require a higher GPA. Please consult with a counselor for more information. At least 12 of the units must be degree applicable and earned at Santiago Canyon College.

**II. General Education Requirements** - The general education requirements can be met by completing the California General Education Transfer Curriculum (Cal-GETC).

NOTE · Students who maintain continuous enrollment* have catalog rights and may use either the California State University General Education Breadth or the Intersegmental General Education Transfer Curriculum (IGETC) certification to earn an AA-T/AS-T. It is highly recommended that a student meets with a counselor to determine CSU-GE/Plan B or IGETC/Plan C eligibility.

*Continuous enrollment means completing one semester each calendar year (E.g., Fall 2023, Spring 2024, Spring 2025, etc.) without a one-year break. If there is a one-year break, the student must follow Cal-GETC to earn an AA-T/AS-T and cannot claim CSU-GE Breadth/Plan B or IGETC/ Plan C catalog rights.

**III. Major Requirements** - Each degree specifies courses required for the major (a minimum of 18 units). Students must complete an "AA-T" or "AS-T" major as detailed in the program section of the catalog. These courses must be completed with a grade of C or better or a "P" if the course is taken on a "Pass/No Pass" basis. (Title 5 § S5063).

NOTE: Courses in the student's major field may not be taken under the Pass/No Pass policy except for

(a) major courses for an Associate Degrees for Transfer (ADT),

(b) courses for which Pass/No Pass is the only grading option, and

(c) units earned through Credit by Examination (CBE) or assessment. All completed coursework must come from a regionally accredited institution, meaning that an institution must be accredited by one of the six U.S. regional accrediting associations. International coursework does not apply unless the school is regionally accredited.

**Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T) Reciprocity, Course Substitution, External Exams, and Credit by Exam Policy and Procedures**

Students who have taken courses from a California Community College, a regionally accredited institution, completed an external exam such as AP, CLEP (may be used on CSU GE-Plan B only), or 1B or Credit by Exam may be granted credit towards an AA-T/AS-T general education and/or major requirement. Courses will be reviewed by one of the following methods:

**General Education Courses**

- General education courses taken at other California Community Colleges are granted course-to-course reciprocity providing the course in question appears on the CSU-Plan B or IGETC-Plan Cat the time the student completed the course.
- Non-California Community College general education courses are reviewed by the Articulation Officer via the pass-along process in accordance with the CSU-GE/ Plan B, IGETC/Plan C, or Cal-GETC/Plan 2 standards.
- Students who completed an external examination such as AP, CLEP or 1B are granted credit towards general education consistent with CSU GE and IGETC policies.
- Santiago Canyon College Credit by Exam may be granted for general education only if a course is eligible and listed in the Credit by Exam section of the sec Catalog.

**Major Requirement Courses**

- A major requirement with a C-ID number taken at another California Community College (CCC) is granted course-to- course reciprocity and meets the same designated C-ID major requirement found in the SCC's AA-T/AS-T
- A major requirement completed at another California Community College that is approved as part of its AA-Tor AS-T, will be applied to the corresponding Santiago Canyon College AA-T/AS-T area. Courses completed at other CCCs must be part of their
- AA-T/AS-T at the time the student completed the course, if a course is not part of the AA-T/AS-T then the course must be reviewed by the sec discipline faculty in accordance with the C-ID descriptor. Courses completed at other CCCs prior to the AA T/AS-T approval, will be "grandfathered".
- A major requirement without a C-ID number taken at another California Community College, where an AA-T/ AS-T does not exist, is reviewed by the sec discipline faculty in accordance with the C-ID descriptor.
- Anon-California Community College major requirement taken at a regionally accredited institution is reviewed by the SCC discipline faculty in accordance with the C-ID descriptor and if comparable, course-to-course substitution is granted.
- Students who completed an external examination such as AP, CLEP or 1B are granted credit towards major requirements where exam-to-course comparability exists; if exam-to-course comparability does not exist, the discipline faculty reviews the external exam and determines course comparability if a course is offered (Students should be aware that external exam credit

# EDUCATIONAL OPTIONS

may be awarded/counted differently by the transfer institution).

- Santiago Canyon College Credit by Exam may be granted for major requirements only if a course is eligible and listed in the Credit by Exam section of the SCC Catalog

It is strongly recommended students make an appointment with a Santiago Canyon College counselor to discuss appropriate credit placement.

**Certificate of Achievement Programs**

A Certificate of Achievement (16 or more units or state-approved as low as 9 units) is a verification of achievement in a particular academic or occupational area, and it will be included on the official transcript. Certificate of Achievement programs normally include only those courses which have a direct bearing upon specialized occupational competency since the certificate has the sole objective of immediate employment in a specialized area. For this reason, there is no general education requirement in a certificate program. To qualify for a certificate of Achievement, a candidate must meet the following requirements:

- Courses: Courses are designated for the specific certificate.
- Grades: At least a C grade in each course required for the certificate, unless otherwise specified. Credit by Examination may also be used to gain credit for required courses.
- Pass/No Pass: A Pass/No Pass course is acceptable toward the certificate if it is required for the certificate and (a) offered on a Pass/No Pass basis only or (b) if the Pass/No Pass is earned on the basis of credit by examination.
- Residency: At least 20% of the total units required for the certificate must be earned at Santiago Canyon College.
- Apprenticeship Programs Only: For an apprenticeship certificate, registered apprentices must complete at least two terms or a minimum of two courses of an approved registered apprenticeship program at Santiago Canyon College or Santa Ana College, with a grade of "C" or better.
- Petition: A petition for Certificate of Achievement must be filed by the student by deadline (see Instructional Calendar) with the Admissions and Records Office at Santiago Canyon College.

**Certificate of Proficiency Programs**

A Certificate of Proficiency is under 16 units and/or is not a State-approved program. This type of certificate is verification of completion in a particular subject matter. A Certificate of Proficiency will NOT be included on the official or unofficial transcript. Certificate programs include only those courses which focus on vocational skills. The sole objective is employment in a specialized area and for this reason there are no general education requirements for a Certificate of Proficiency.

Santiago Canyon College Certificate of Proficiency programs are described in the catalog section on SCC Academic Programs. To qualify for a Certificate of Proficiency, a candidate must meet the following requirements:

- Courses: Courses are designated for the specific certificate.
- Grades: At least a C grade in each course required for the certificate, unless otherwise specified. Credit by Examination may also be used to gain credit for required courses.
- Pass/No Pass: A Pass/No Pass course is acceptable toward the certificate if it is required for the certificate and (a) offered on a Pass/No Pass basis only or (b) if the Pass/No Pass is earned on the basis of credit by examination.
- Residency: At least 20% of the total units required for the certificate must be earned at Santiago Canyon College.
- Apprenticeship Programs Only: For an apprenticeship certificate, registered apprentices must complete at least two terms or a minimum of two courses of an approved registered apprenticeship program at Santiago Canyon College or Santa Ana College, with a grade of "C" or better.
- A petition for Certificate of Proficiency must be filed by the student by the deadline (see Instructional Calendar) with the Admissions and Records Office at Santiago Canyon College.

**Multiple Associate Degrees and Certificates**

A student may earn multiple Associate Degrees and Certificates from Santiago Canyon College.

- For additional degrees and certificates, any course used to meet the prescribed graduation requirements may count toward more than one degree and certificate.
- Courses used to meet the proficiency requirements and general education requirements for the first degree may be used to fulfill these requirements for additional degrees,
- Courses used for one major may be used to meet requirements for additional majors.
- If a break in enrollment occurs, a student must comply with the proficiency, general education, and major requirements in effect at the time the student resumes attendance or those in effect in subsequent years of the student's enrollment.
- Each additional degree and Certificate of Achievement will be posted to the student's academic record and the student will receive diplomas for each degree and Certificate of Achievement earned.

## ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS AT SANTIAGO CANYON COLLEGE (SCC)

AA = Associate of Arts Degree AS = Associate of Science Degree AA-T = Associate of Arts for Transfer Degree
AS-T = Associate of Science Degree for Transfer AS-UCTP = Associate in Science – University of California Transfer Pathway
CA = Certificate of Achievement CERT = Certificate of Proficiency
Associate Degrees and Certificates of Achievement are state-approved programs and appear on student transcripts.
Certificates of Proficiency are not state-approved programs and do not appear on student transcripts.

| DEPARTMENT | AWARDS |
|---|---|
| Accounting | AS, CA, CERT |
| American Sign Language | CA |
| Anthropology | AA/AA-T |
| Apprenticeship in Early Childhood | AS, CA |
| Apprenticeship: Carpentry | AS, CA |
| Apprenticeship: Cosmetology | CA |
| Apprenticeship: Electricity | AS, CA |
| Apprenticeship: Maintenance Mechanic | AS, CA |
| Apprenticeship: Operating Engineers | AS, CA |
| Apprenticeship: Power Lineman | AS, CA |
| Apprenticeship: Surveying | AS, CA |
| Art | AA, AS, CA |
| Astronomy | AS |
| Biology | AS, AS-T, CA, CERT |
| Biotechnology | AS |
| Business | AS, AS-T, CA, CERT |
| Chemistry | AS |
| Child Development | AA-T, AS-T, CERT |
| Code Enforcement and Compliance | CA |
| Communication | AA, AA-T |
| Companion Animal Training | AA |
| Computer Information Systems | AS, CA |
| Computer Science | AS, AS-T, CA, CERT |
| Construction Inspection | AS, CA |
| Construction Management | AS, CA |
| Cosmetology | AS, CA |
| Data Science | AS |
| Early Childhood Education | AST, CA |
| Earth Sciences | AS |
| Economics | AA, AA-T |
| Education/ Elementary Education | AA, CA |
| Elementary Teacher Education | AA-T |
| Electrician | AS, CA |
| Electronics Technology | CA |
| English | AA, AA-T |
| Entrepreneurship | AS, CA |
| Environmental Management | AS, CA |
| Ethnic Studies | AA |
| Film/TV Producing | CA |
| Gemology | AS, CA |

| DEPARTMENT | AWARDS |
|---|---|
| Gender, Sexuality, and Women's Studies | AA |
| General Education (CSU) | CA |
| General Education (IGETC) | CA |
| Geography | AA-T |
| Geology | AS-T |
| Global Studies | CA |
| Graphic Design | AS |
| History | AA-T |
| Kinesiology | AA-T |
| Kinesiology-Fitness and Active Lifestyle | AS, CA |
| Kinesiology-Health Promotion | AS, CA |
| Kinesiology-Sport Studies | AS, CA |
| Land Surveying | AS, CA |
| Liberal Arts | AA, AS |
| Management | AS, CERT |
| Marketing | AS, CERT |
| Mathematics | AS-T |
| Modern (Foreign) Languages | AA |
| Nutrition and Dietetics | AS-T |
| Philosophy | AA, AA-T |
| Physics | AS-T |
| Political Science | AA-T |
| Pre-Nursing and Allied Health Science | AS |
| Psychology | AA, AA-T |
| Public Administration | AS, CA, CERT |
| Public Works | AS, CA, CERT |
| Real Estate | AS, CA, CERT |
| Social Justice Studies | AA-T |
| Social Work and Human Services | AA-T |
| Sociology | AA, AA-T |
| Spanish | AA-T |
| Studio Art | AA-T |
| Survey/Mapping Sciences | AS, CA |
| Water and Wastewater Technology | AS, CA, CERT |

For information regarding Gainful Employment and our programs, please visit our website at **www.sccollege.edu/gainfulemployment**

* Career Education (CTE) training opportunities

All Associate Degrees and Certificates of Achievement will have a unique identification code in parentheses next to them in the College Credit Instructional Programs Section. Any certificates that do not have a unique identification code will not appear on your transcript.

# ASSOCIATE DEGREE GENERAL EDUCATION PHILOSOPHY • 2026-2027

**Philosophy**

General Education requirements at Santiago Canyon College reflect the conviction that those who receive degrees must possess in common certain basic principles, concepts, and methodologies, both unique to and shared by various disciplines. General Education prepares the college student to comprehend and contribute to the modern world, to under-stand our regional, national, and international cultural diversity as well as our shared cultural heritage, to reinforce an awareness of self as well as others, and to instill an ongoing intellectual curiosity and commitment to learning. The subject matter of General Education courses is designed to be general, broad and introductory rather than specialized, narrow, or advanced. General Education courses form a pattern of learning experiences designed to provide educational opportunities that lead to the following outcomes for students:

**Learn-About Self and Others, Academic and Professional Issues**

- Take responsibility for one's own learning and wellbeing.
- Learn about one's chosen academic major, while creating connections across disciplines.
- Learn about professional conduct, including workplace and community ethics, conflict management, and teamwork.

**Communicate-With Clarity and Accuracy and in Diverse Environments**

- Communicate ideas in a clear and articulate manner.
- Communicate accurately to diverse audiences.
- Communicate in various formats using diverse technologies.

**Act-With Awareness of Self and the Local and Global Community of Persons**

- Act to maintain one's dignity and self-respect.
- Act as a responsible community member who treats others with respect, civility, empathy, honesty, and dignity.
- Act to increase the wellbeing of the global community by maintaining cultural literacy, lifelong learning, ethical consideration of each other, and the environment we all share.

**Think-Critically, Creatively, and Reflectively**

- Critically analyze, evaluate, organize and use quantitative and qualitative data to solve problems and develop logical models, hypotheses, and beliefs.
- Creatively use concepts to making learning relevant.
- Reflectively assess one's values, assumptions, and attitudes.

**1. Language and Rationality**

Courses in language and rationality develop the principles and applications of language toward logical thought, clear and precise expression, and critical evaluation of communication in whatever symbol system the student uses. (Title 5 §55063).

**1A. English Composition**

Courses in this category enable students to write clearly and effectively, particularly to conduct an analysis, present a point of view, or express an idea or opinion; to read critically and perceptively in a variety of fields and from a variety of texts; and to reason logically and coherently, recognizing and avoiding common fallacies of thought.

**1B. Oral Communication and Critical Thinking**

Courses that fulfill this requirement are designed to provide theoretical and practical instruction in "good thinking" in a general sense. More specifically, such courses emphasize knowledge and skills that enable students to reach factual or judgmental conclusions concerning any topic without fallacy and based on good reasons. Thus, students are instructed in general principles concerning the interpretation of evidence, deductive and inductive inference, and the pitfalls of language and persuasion. Critical Thinking courses enable students to move beyond the passive collection of evidence or data and engage students in active analytical and evaluative thinking.

Courses that fulfill this requirement emphasize the study of the nature, processes, and effects of human symbolic interaction, both verbal and nonverbal. These courses should provide theoretical and practical instruction in mass communication theory. They should also require that students research, outline, and deliver a platform presentation. Courses in this category should enable students to listen critically, express a position reasonably, and give an oral presentation in public, recognizing the need to adapt their delivery to reach a plurality of audiences for various purposes.

**2. Mathematical Concepts and Quantitative Reasoning**

Courses in this category enable students to develop mathematical thinking skills, construct logical arguments and make valid inferences. In addition to their intrinsic value, these courses train students in quantitative skills essential to many other disciplines.

**3. Arts and Humanities**

Courses in humanities study the cultural activities and artistic expressions of human beings. They assist in developing an awareness of how people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation, in developing aesthetic understanding and an ability to make value judgments. This category includes introductory or integrative courses in the arts, foreign languages, literature, philosophy, and religion.

**3A. Arts**

Courses that fulfill this requirement should enable students to examine and respond to the world as it has been represented over time and across cultures in visual, aural, tactile, and dramatic forms; to express their ideas and attitudes in an artistic medium; and to appreciate the contributions that the fine arts have made in establishing and preserving our cultural and historical traditions.

**3B. Humanities**

Courses in this area should enable students to demonstrate an understanding of human diversity and tolerance for different perspectives, ideas, and values. Describe how the arts, literature, philosophy, foreign languages, or religion reflect various cultures' historical, intellectual context, and aesthetic tastes using value judgments.

**4. Social and Behavioral Science**

Courses in the social and behavioral sciences focus on people as members of society. They assist in developing an awareness of the methods of inquiry used by the social and behavioral sciences. Critical thinking is stimulated about how people act and have

# ASSOCIATE DEGREE GENERAL EDUCATION PHILOSOPHY • 2026-2027

acted in response to their societies, and appreciation is developed of how societies and social groups operate. This category includes introductory or integrative survey courses in cultural anthropology, economics, history, political science, psychology, sociology, cultural geography, and related disciples (Title 5 Section §55063).

**5. Natural Sciences**

Courses in the natural sciences examine the physical universe, its life forms, and its natural phenomena. They assist in developing an appreciation and understanding of the scientific method and encourage an understanding of the relationships between science and other human activities. This category includes introductory or integrative courses in astronomy, biology, chemistry, earth sciences, general physical science, geology, physics, physical geography, physical anthropology, and other disciplines.

**6. Ethnic Studies**

Courses meeting the Ethnic Studies requirement focus on the cultural perspectives of African American, Asian American, Chicano/Latine and Native American in the United States. They assist students to deal constructively with issues of difficult differences and to develop respect for and become aware of the views, interactions, and contributions of these ethnic groups and women to U.S. society and culture. This interdisciplinary category includes introductory courses incorporating historically excluded groups' voices.

**7. Lifelong Understanding and Self-Development**

The courses in this category are designed to equip human beings for lifelong understanding and development of themselves as integrated physiological and psychological entities. In a social context, students will benefit from studying about themselves and how they function at different stages of life. Instruction is intended to include consideration of such matters as human behavior, sexuality, nutrition, health, stress, critical relationships of humankind to the social and physical environment, and implications of death and dying. Physical activity courses could be included if they include some components of the above-listed topics.

# ASSOCIATE DEGREE REQUIREMENTS • 2026-2027

**Associate Degrees**

To earn an associate degree, a student must fulfill the requirements listed under I, II and III below.

**I. Unit and Residency Requirements**

60 UNITS of degree applicable coursework are required, with at least a 2.0 grade point average. At least 12 of the units must be earned at Santa Ana College, Santiago Canyon College, or a combination of the two. Course units earned through Credit for Prior Learning may be included in the 12-unit residency requirement..

**II. General Education Requirements**

The general education requirements can be met through the completion of one of the following general education plans.

Plan 1: Associate in Arts General Eduction

Plan 2: California General Education Transfer Curriculum (Cal-GETC)

Plan 3: Associate in Science General Education

The general education requirements may also be satisfied by submitting an official transcript showing completion of a bachelor's degree from a regionally accredited institution.Alternatively,the general education requirements for Plan A may be satisfied by submitting an official transcript showing completion of an associate of arts or associate of science degree from a regionally accredited California institution within a ten-year period. All major requirements must be completed at Santiago Canyon College within ten years of the semester and year the degree was conferred at the regionally accredited California institution.For coursework completed outside the United States, see International Transcripts Evaluation Practices section.

**III. Major Requirements**

Each degree specifies courses required for the major (a minimum of 18 units). Students must complete these courses with a grade of C or better. For programs of study leading to an associate degree, see SCC Academic Programs.A course may be used to satisfy a major requirement and meet a general education category requirement. Non-degree applicable courses (courses numbered N01-N99) may not be used for graduation requirements.Courses in the student's major field may not be taken under the Pass/No Pass policy except for (a) major courses for an Associate Degree for Transfer (ADT). (b) courses for which Pass/No Pass is the only grading option,and (c) units earned through Credit b Examination (CBE) or assessment. See Pass/No Pass section.

**IMPORTANT NOTE: The list of courses will be subject to change year by year, but students are assured that courses taken to meet General Education requirements will be honored if they are approved for the academic year in which they are taken. Courses on this list are approved per academic year beginning Fall 2026 and are valid through Summer 2027.**

**Petition For Graduation and Catalog Rights:**

Students must submit a Petition to Graduate to earn an associate degree, and/or the California General Education Transfer Curriculum (Cal-GETC)/Plan 2 Certification.Petitions for graduation should be filed in the Santiago Canyon College Admission and Records Office/Graduation Office during the semester/session the student expects to graduate (at the completion of at least 30 units or one semester prior to the scheduled semester to graduate). Students who maintain continuous enrollment in at least one regular semester or session of a catalog year (fall,intersession, spring, or summer) at Santa Ana College or Santiago Canyon College may elect to meet the associate degree or certificate requirements in the SAC/SCC Catalog in effect at the time of first enrollment or may choose the catalog requirements from any catalog year of subsequent continuous enrollment.A student who has an interruption of attendance must use the catalog at the time of readmission or one of subsequent continuous enrollment. Commencement exercises are held once a year at the end of the spring semester for those students who complete the requirements for graduation during the academic year or the summer session from the previous academic year. Official Transcripts from all colleges attended must be on file in the Admissions and Records Office.

Continuous enrollment is defined by earning a notation on a transcript (letter grade, W, NP, P or I) for at least one course during any semester, or session, within that academic year. For the purposes of the catalog, an academic year begins with the fall semester and concludes with the summer session. So long as thestudent remains in attendance in any one semester (fall/spring) or session (summer/intersession) per academic year at Santa Ana College or Santiago CanyonCollege, the student has the ability to elect to meet the graduation requirements in effect at the time beginning his/her continuous enrollment or in more recent catalog years.

If a student does not earn a note on their transcript during any of the semesters, or sessions, during an academic year, then the student is no longer protected byprevious associate degree and/or certificate requirements and will be held to the additional requirements. The student must then reset their catalog rights clock to usethe catalog at the time of readmission or subsequent enrollment.

In the event a loss of catalog rights due to extenuating circumstances,a student wishes to waive or substitute a requirement for an associate degree and/or certificate requirement, the student could complete the appropriate form and submit to the Exceptions for Academic Regulations (EAR) Committee for final determination.

Continuous Enrollment and Catalog Rights for Use of CSU-GE/Plan B or IGETC/Plan C:

Effective Fall 2025, Cal-GETC is the new transfer general education pattern and replaces CSU-GE and IGETC. However, students who began at Santiago Canyon College (or another CCC or CSU) prior to Fall 2025 will be permitted to use previous the CSU GE and IGETC patterns if they maintained the definition of CSU continuous enrollment. To meet this students must complete one semester each calendar year (example, Spring 2022, Fall 2023, Spring 2024, Spring 2025, etc) to maintain enrollment without a one year break.

CSU and UC Systems Offices understand that the changeover from CSU-GE and IGETC to the new Cal-GETC pattern can be confusing for students. As a result, Cal-GETC Standards 1.4 Section 10.2 was written to simplify the process for students with enrollment spans across the adoption of Cal-GETC. It enables students to follow whichever pattern is the most advantageous for them. Please consult with a SCC counselor for additional information.

.

# SANTIAGO CANYON COLLEGE - PLAN 1
## 2026-2027 Associate in Arts General Education Pattern

**Area 1: English Composition, Oral Communication, and Critical Thinking**
**6 SEMESTER/8 QUARTER UNITS ARE REQUIRED**
**Complete ONE course from 1A and ONE course from 1B**

### 1A: ENGLISH COMPOSITION

| Completed | In Progress | Need |
|---|---|---|
| | | |

**English** *C1000*/C1000H* (formerly ENGL 101*/101H*)*

**Other Regionally Accredited College Course:**_____ **AP/CLEP/IB**_____

### 1B: ORAL COMMUNICATION AND CRITICAL THINKING

| Completed | In Progress | Need |
|---|---|---|
| | | |

**Communication** 101, 111, C1000*/C1000H* (*formerly COMM 110*), C1004*&/C1004H*& *(formerly COMM 100*/100H*)*;
**English** C1001*/C1001H* *(formerly ENGL 103*/103H*)*, C1003*&/C1003H*& *(formerly ENGL 102*&/102H*&);*
**Philosophy** 110*/110H*, 111; **Reading** 150, 151

**Other Regionally Accredited College Course:** _____

**Area 2: Mathematics and Quantitative Reasoning**
**3 SEMESTER/4 QUARTER UNITS ARE REQUIRED**
**Complete ONE MATH course**

### 2: MATHEMATICS AND QUANTITATIVE REASONING

| Completed | In Progress | Need |
|---|---|---|
| | | |

**Business** 130; **Computer Science** 111, 112, 120*/120H*, 121*/121H*, 131, 149, 154; **Data** 100; **Mathematics** 105, 140*, 140S*, 150*, 150S*, 171*, 203, 225, 270, 280, 287*, 290*, 295*, C2210*/C2210E/C2210H* *(formerly MATH 180*/180S/180H*),* C2220 *(formerly MATH 185)*; **Sociology** 125*/125H*; **Statistics** C1000*, C1000E*, C1000H* *(formerly MATH 219*/219S*/219H*)*; **Water and Wastewater Technology** 137

**Other Regionally Accredited College Course:** _____ **AP/CLEP/IB**_____

**Area 3: Arts and Humanities**
**3 SEMESTER/4 QUARTER UNITS ARE REQUIRED**
**Complete ONE course from either 3A or 3B**

### 3A: ARTS

| Completed | In Progress | Need |
|---|---|---|
| | | |

**Art** 100*/100H*, 110; C1100*/C1100H* *(formerly ART 101*/101H*)*, C1200*/C1200H* *(formerly ART 102*/102H*)*;
**Cinema Studies** 103, 104, 105&◊, 107, 108; **Dance** 100; **Music** 101*/101H*, 102, 103, 104, 110; **Theatre Arts** 100

**Other Regionally Accredited College Course:** _____

### 3B: HUMANITIES

**American Sign Language** 110, 111, 116, 210; **Anthropology** 104&; **Chinese** 101, 102;
**English** C1003*&/C1003H*& *(formerly ENGL 102*&/102H*&)*, 231, 232, 233A, 233B, 241, 242, 270, 271, 272, 278, 279;
**Ethnic Studies** 104&◊, 105&◊; **French** 101, 102, 201, 202; **Gender, Sexuality, and Women Studies** 101&, 102&, 103&, 104&◊, 105&◊; **History** 101*&/101H*&, 102*&/102H*&, 115&, 125&, 129&, 130&, 132&, 142&, 172&;
**Italian** 101, 102, 194, 195, 201, 202; **Nutrition & Food** 120&; **Philosophy** 106*/106H*, 108, 112, 115, 118, 120;
**Spanish** 101*/101H*, 101A & 101B, 102*, 110, 111, 194, 195A, 195B, 201, 202, 213

**Other Regionally Accredited College Course:** _____ **AP**_____

**Area 4: Social and Behavioral Sciences**
**3 SEMESTER/4 QUATER UNITS ARE REQUIRED**
**Complete ONE course from either 4A or 4B**

### 4A: AMERICAN INSTITUTIONS

| Completed | In Progress | Need |
|---|---|---|
| | | |

**Ethnic Studies** 110&, 120&, 130&, 140&; **History** 118, 124, 127, C1001*/C1001H *(formerly HIST 120*/120H*)*, C1002*/C1002H* *(formerly HIST 121*/121H*)*; **Political Science** C1000*&/C1000H*& *(formerly POLT 101*/101H*)*

**Other Regionally Accredited College Course:** _____ **AP/CLEP/IB**_____

### 4B: SOCIAL SCIENCE

**Anthropology** 100*/100H*, 103, 104&; **Apprenticeship Child Growth and Development** 107*&◊, 110◊, 221◊;
**Child Development** 110◊, 221◊ C1000*&◊/C1000H*&◊ *(formerly CDEV 107*&◊);* **Cinema Studies** 105&;
**Communication** 120*/120H*, 225*/225H*, C1004*&/C1004H*& *(formerly COMM 100*/100H*)*; **Computer Science** 100;
**Counseling** 150, 152, 165; **Criminal Justice** 101; **Economics** 102, C2001 *(formerly ECON 101)*; **Education** 101;
**Gender, Sexuality, and Women Studies** 101&, 102&, 103&; **Geography** 100*/100H*, 102*/102H*;
**History** 101*&/101H*&, 102*&/102H*&, 115&, 125&, 126, 129&, 130&, 132&, 133, 140, 142&, 152, 162, 172&, 240;
**Interdisciplinary Studies** 155; **Kinesiology** 106, 108, 109, 110&; **Nutrition & Food** 120&; **Political Science** 230;
**Psychology** 160&, 170, 180, 190&, C1000*/C1000H* *(formerly PSYC 100*/100H*)*; **Sociology** 100*/100H*, 101&◊, 120, 220&, 286

**Other Regionally Accredited College Course:** _____ **AP/CLEP/IB**_____

SCC Plan 1_ 08/14/2026 LA/ (SS09-C)

**Area 5: Natural Sciences**
**3 SEMESTER/4 QUARTER UNITS ARE REQUIRED**
**Complete ONE course from Area 5**

| 5: NATURAL SCIENCES | Completed | In Progress | Need |
|---|---|---|---|
| **Anthropology** 101; **Astronomy** 102, 103, 104; **Biology** 109*/109H*, 111, 115, 139, 149, 190, 211, 213, 215, 229, 239, 241, 249, 259, 290; **Chemistry** 100, 200A*/200AH*, 200B; **Earth Science** 100, 111, 120, 121, 130, 160, 200; **Geography** 101*/101H*, 130*/130H*; **Nutrition & Food** 115; **Physics** 150A, 150AC, 150B, 150BC, 250A, 250B, 250C; **Psychology** 200; **Water and Wastewater Technology** 155<br>**Other Regionally Accredited College Course: _____AP/CLEP/IB_____** | | | |

**Area 6: Ethnic Studies**
**3 SEMESTER/4 QUARTER UNITS ARE REQUIRED**
**Completed ONE course from Area 6**

| 6: ETHNIC STUDIES | Completed | In Progress | Need |
|---|---|---|---|
| **Ethnic Studies** 101&◊, 104&◊, 105&◊, 110, 120, 130, 140; **Gender, Sexuality, and Women's Studies** 104&◊, 105&◊; **Sociology** 101&◊ | | | |

**Area 7: Lifelong Understanding and Self-Development**
**3 SEMESTER/4 QUARTER UNITS ARE REQUIRED**
**Completed ONE course from 7A and one course from 7B.**
**No more than one unit may be counted from 7B.**

| 7A: LIFELONG UNDERSTANDING | Completed | In Progress | Need |
|---|---|---|---|
| **Accounting** 100; **Apprenticeship Child Development** 107&◊; **Child Development** C1000*&◊/C1000H*&◊ *(formerly CDEV 107*&◊/107H*&◊);* **Counseling** 101, 113, 116, 118; **Interdisciplinary Studies** 155&**; Kinesiology** 100, 101, 102, 104, 110&, 111; **Information Studies** 100*/100H*, 103*/103H*, 105; **Nutrition & Food** 120&; **Philosophy** 111; **Psychology** 160&, 190&, 230; **Sociology** 130, 220& | | | |

| 7B: LIFELONG UNDERSTANDING – ACTIVITY | Completed | In Progress | Need |
|---|---|---|---|
| **Kinesiology** 119-283 (Excluding Kinesiology 244 and 274) | | | |
| **TOTAL UNITS:** | | | |

**ASSOCIATE IN ARTS DEGREE REQUIREMENTS**

**I. Units and Residency Requirements**

60-degree applicable units, with at least a 2.0 grade point average in the degree applicable courses. At least 12 of the units must be earned at Santa Ana College, Santiago Canyon College, or a combination of the two. Students may petition to waive the residency requirement in order to alleviate injustice and undue hardship. If units accumulated beyond those required for the degree lower a student's cumulative grade point average below 2.0, Santa Ana College and Santiago Canyon College will compute the grade point average based solely on those courses used to satisfy the degree requirements, provided that the coursework used to compute the grade point average fulfill all major/area of emphasis and general education requirements.

**II. General Education Requirements**

24 semester units of general education which include one course or more as indicated in area requirements 1-7. (Students earning an Associate Degree for Transfer (ADT) must instead complete Cal-GETC. Students may also use full CSU-GE Breadth or Full IGETC certification to earn an ADT but will need to consult with a counselor to determine CSU-GE/IGETC eligibility). Courses from the major may be used to satisfy areas 1-7.

The requirements in areas 1-7 may also be met by Cal-GETC certification or by submitting a transcript showing completion of a bachelor's degree from a regionally accredited institution. Students may also use full CSU-GE Breath or full IGETC certification to meet requirements (students must consult with a counselor to determine CSU-GE/IGETC eligibility). In addition, the requirements in areas 1-7 may be met by submitting a transcript showing completion of an Associate of Arts or Associate of Science degree from a regionally accredited California institution within a ten-year period of finishing major requirements (III) at the college.

**III. Major Requirements:**

Each degree program specifies courses required for the major (a minimum of 18 units). Students must complete these courses with a grade of "C" or better or with a "P" if the course is taken on a Pass/No Pass basis*. See instructional programs section of the SCC Catalog.

*A maximum of 14 Pass/No Pass units is allowed for any degree program. This does not include units taken under credit by examination or assessment, or units earned in course which Pass/No Pass is the only grading option.

**Petition for Graduation and Catalog Rights**

Petitions for graduation should be filed in the Graduation Office during the semester/session the student expects to graduate. Students who maintain continuous enrollment in at least one regular semester or session of a catalog year (fall, intersession, spring, or summer) at Santa Ana College or Santiago Canyon College may elect to meet the associate degree or certificate requirements in the SAC/SCC Catalog in effect at the time of first enrollment or may choose the catalog requirements from any catalog year of subsequent continuous enrollment. **A student who has an interruption of attendance must use the catalog at the time of readmission or one of subsequent continuous enrollment.** Commencement exercises are held once a year at the end of the spring semester for those students who complete the requirements for graduation during the academic year or the summer session from the previous academic year. **Official Transcripts from all colleges attended must be on file in the Admissions and Records Office**.

**What if I have a mixture of quarter and semester unit courses? How is this calculated towards the completion of an Associate of Arts.**

It will be calculated to the student's advantage per Area, using either semester or quarter units. To convert semester units to quarter units, multiply the semester by 1.5. To convert quarter units to semester units, divide the quarter units by 1.5.

◊Courses with a diamond are cross listed with another course. Credit is given for only one course.

*Duplicate credit will not be awarded for both the Honors and the regular version of a course.

&Courses may be listed in more than one area but will not be certified in more than one area.

SCC Plan 1_ 08/14/2026_LA/ (SS09-C)

# SANTIAGO CANYON COLLEGE - PLAN 2: Cal-GETC

## 2026-2027 California General Education Transfer Curriculum (Cal-GETC)

**Note: If you have any AP or IB scores, please meet with a counselor to determine GE and/or major placement.**

### AREA 1: ENGLISH COMMUNICATION

**3 courses - 9 semester or 12 quarter units are required.**
**Select THREE courses from each subarea 1A, 1B, and 1C**

**A. ENGLISH COMPOSITION** — Completed | In Progress | Need

**English** C1000*/ C1000H* *(formerly ENGL 101*/101H*)*

**Other Regionally Accredited College Course:_____ AP_____

**B. CRITICAL THINKING/COMPOSITION** — Completed | In Progress | Need

**English** C1001*/C1001H* *(formerly ENGL 103*/103H*)*, C1003*+/C1003H*+ *(formerly ENGL 102*+/102H*+);*
**Philosophy** 110*/110H*; **Reading** 151

**Other Regionally Accredited College Course: _____

**C. ORAL COMMUNICATION** (footnote number 4) — Completed | In Progress | Need

**Communication Studies** C1000 *(formerly COMM 110)*

**Other Regionally Accredited College Course: _____

### AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

**Select ONE (1) course - 3 semester or 4 quarter units are required**

**2. MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING** — Completed | In Progress | Need

**Mathematics** 105, 140*, 140S*, 150*, 150S*, 171*, 270, 280, 287, 290, 295,
C2210*/C2210E*/C2210H* *(formerly MATH 180*/180S*/180H*)*, C2220 *(formerly MATH 185)*;
**Sociology** 125*/125H*;
**Statistics** C1000*/C1000H*/C1000E**(formerly MATH 219*/219H*/219S*)*

**Other Regionally Accredited College Course:_____ AP/IB_____

### AREA 3: ARTS AND HUMANITIES

**2 courses - 6 semester or 8 quarter units are required**
**Select TWO (2) courses, one from each subarea 3A and 3B**

**A. ARTS: One Course Required** — Completed | In Progress | Need

**Art** 100*/100H*, C1100*/C1100H* *(formerly ART 101*/101H*)*, C1200*/C1200H* *(formerly ART102*/102H*)*;
**Cinema Studies** 103, 104; **Dance** 100; **Music** 101*/101H*, 102, 103, 104; **Theatre Arts** 100

**Other Regionally Accredited College Course:_____ AP/IB_____

**B. HUMANITIES: One Course Required** — Completed | In Progress | Need

**American Sign Language** 111, 116, 210; **Chinese** 102; **English** 231, 232, 233A, 233B, 241, 242, 270, 271, 272, 278, 279, 280, C1003*+/C1003H*+ *(formerly ENGL 102*+/102H*+);* **French** 102, 201, 202; **History** 101*+/101H*+, 102*+/102H*+, 115+, 118+, 132; **Italian** 102, 201, 202; **Philosophy** 106*/106H*, 108, 112, 115, 118, 120; **Spanish** 102, 111, 195A, 195B, 201, 202

**Other Regionally Accredited College Course:_____ AP/IB_____

### AREA 4: SOCIAL AND BEHAVIORAL SCIENCES

**2 courses - 6 semester or 8 quarter units are required**
**Select TWO (2) courses from at least TWO different disciplines**

***Bolded Ethnic Studies and History courses also meet CSU graduation requirement US1 – Historical Development of American Institutions and Ideals***
***Bolded Political Science course also meets CSU graduation requirements US2 – U.S. Constitution & Government and US3 – California State & Local Government*** — Completed | In Progress | Need

**Anthropology** 100*/100H*, 103, 104; **Apprenticeship Child Development** 107*◊; **Child Development** C1000*◊*(formerly CDEV 107*x)*;
**Cinema Studies** 105; **Communication Studies** 120*/120H*, 225*/225H*; **Counseling** 165; **Criminal Justice** 101;
**Economics** 102, C2001 *(formerly ECON 101)*; **Education** 101; **Ethnic Studies** 101+◊, **110**+, **120**+, **130**+, **140**+;
**Gender, Sexuality, and Women Studies** 101, 102, 103; **Geography** 100*/100H*, 102*/102H*, 140;
**History** 101*+/101H*+, 102*+/102H*+, 115+, **118**+, **124**, 125, 126, **127**, 129, 130, 133, 140, 142, 152, 162, 172, 240, C1001*/C1001H* *(formerly HIST 120*/120H*)*, C1002*/C1002H* *(formerly HIST 121*/121H*)*; **Interdisciplinary Studies** 155;
**Kinesiology** 109; **Political Science** 150, 201, 220, 221, 230, 235; C1000*/C1000H* *(formerly POLT 101*/101H*);*
**Psychology** 157*, 160, 170, 180, 190, 200+, 220, 230, 240*, 250; C1000*/C1000H**(formerly PSYC 100*/100H*);*
**Sociology** 100*/100H*, 101+◊, 115, 116, 120, 130, 160, 220, 230, 240*/240H*, 286

**Other Regionally Accredited College Course:_____ AP/IB_____

**Additional Area 4 Course:** _____ — Completed | In Progress | Need

**Other Regionally Accredited College Course: _____ AP/IB_____

SCC_Cal-GETC_Draft_08_14_26_LA_(SS09-C)

**AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES**
**2 courses - 7 semester or 9 quarter units are required**
**Select TWO (2) courses from each subarea 5A: Physical Science and 5B: Biological Sciences**
**5A or 5B MUST have a corresponding 5C: laboratory activity; lab courses are underlined**

| | Completed | In Progress | Need |
|---|---|---|---|
| **A. PHYSICAL SCIENCE: One Course Required**<br>**Astronomy** 102, 103, 104; **Chemistry** 100*, 200A*/200AH*, 200B; **Earth Science** 100, 111, 120, 121, 130, 160, 200; **Geography** 101*/101H*, 130*/130H*; **Physical Science** 100; **Physics** 100*, 150A*, 150B*, 250A*, 250B*, 250C*<br>**Other Regionally Accredited College Course:_____ AP/IB_____ | | | |
| **B. BIOLOGICAL SCIENCE: One Course Required**<br>**Anthropology** 101; **Biology** 109*/109H*, 111, 115, 139, 149, 177, 190, 211, 213, 215, 229, 239, 241, 249, 259, 290 **Psychology** 200+<br>**Other Regionally Accredited College Course:_____ AP/IB_____ | | | |
| **C. LABORATORY ACTIVITIES: One Lab Course Required**<br>**Anthropology** 101L; **Astronomy** 100L (Lab Activity for Astronomy 102, 103 and 104); **Biology** 109L*/109HL*, 111, 115, 139, 149, 190L, 211, 213, 215, 229, 239, 241, 249, 259, 290; **Chemistry** 100*, 200A*/200AH*, 200B; **Earth Science** 100L, 111, 121*; **Geography** 101L; **Physical Science** 100; **Physics** 100*, 150A*, 150B*, 250A*, 250B*, 250C*<br>**Other Regionally Accredited College Course:_____ AP_____ | | | |

**AREA 6: ETHNIC STUDIES**
**Select ONE (1) course - 3 semester or 4 quarter units are required**

| | Completed | In Progress | Need |
|---|---|---|---|
| **Bolded Ethnic Studies courses also meet CSU graduation requirement US1 – Historical Development of American Institutions and Ideals.**<br>**Ethnic Studies** 101*◊, **110**+, **120**+, **130**+, **140**+; **Sociology** 101+◊<br>**Other Regionally Accredited College Course:** _____ | | | |
| **TOTAL UNITS:** | | | |

**OPTIONAL (Not part of Cal-GETC) – UC GRADUATION REQUIREMENT: LANGUAGE OTHER THAN ENGLISH (LOTE)**
*The UC Language other than English (LOTE) graduation requirement is not part of Cal-GETC. Upon transfer to UC, a course approved to fulfill a Cal-GETC subject area 3B (language courses only) may be used to satisfy the LOTE requirement if it meets relevant UC criteria. Each UC campus has its own LOTE guidelines and requirements.*
***SANTIAGO CANYON COLLEGE DOES NOT CERTIFY LANGUAGE PROFICIENCY.***
*https://admission.universityofcalifornia.edu/counselors/uc-graduation-requirements/*

**OPTIONAL (Not part of Cal-GETC) – CSU GRADUATION REQUIREMENT: U.S. HISTORY, CONSTITUTION, AMERICAN IDEALS (AI)**
*CSU campuses have the discretion to allow courses used to satisfy the CSU U.S. History, Constitution, and AI graduation requirement to count for GE.*
*UC may require students to meet (some) AI graduation requirements if the student did not graduate from a high school in California. May be completed prior to transfer.*

| | Completed | In Progress | Need |
|---|---|---|---|
| **US 1: Historical Development and American Institution and Ideals (*One Course; may also count for Areas 4 or 6*)**<br>**Ethnic Studies** 110, 120, 130, 140; **History** 118, 124, 127, C1001*/C1001H* *(formerly HIST 120*/120H*)*, C1002*/C1002H* *(formerly HIST 121*/121H*)*<br>**US 2: U.S. Constitution and Government *AND* US 3: California State and Local Government (*may count for area 4)***<br>**Political Science** C1000*/C1000H* *(formerly POLT 101*/101H*)*<br>**Other Regionally Accredited College Course:_____ AP_____** | | | |

**IMPORTANT INFORMATION AND FOOTNOTES**
***Requirements are subject to change. Please work with an SCC counselor to develop a Student Educational Plan (SEP) that includes major preparation.***

1. All courses completed on Cal-GETC must have a "C" or better grade to meet all areas. A **C minus** (C-) grade is NOT acceptable on Cal-GETC.
2. Each course for Cal-GETC must have a minimum value of 3 semester or 4-quarter units.
3. For a course to meet a requirement for **Cal-GETC**, students must ensure that the course is listed on the **Cal-GETC list** at the time of enrollment.
4. Students who completed IGETC-approved courses prior to Fall 2025, including courses that are no longer active in assist.org, may apply those courses in the same Cal-GETC area for certification. For Example: SCC's Communication Studies 100/100H, 101, 110, COMM 111 and SAC's Communication Studies 100, 102/102H, 103/103H, 140, 145, or 150 are on the 2024-2025 IGETC. A student who completed any of the communication studies courses listed above prior to Fall 2025 can use the course to meet Cal-GETC Area 1C. Always reference ASSIST.org or meet with a counselor to confirm information.
5. Courses with an asterisk, plus, or diamond sign (*/+/◊) indicate one of the following credit limitation reasons:
   a. *Sequential courses in Mathematics, Biological Sciences, and Foreign Languages will receive No Credit for an introductory course taken after the advanced course (Example: MATH C2220 is taken first and then MATH C2210 is taken; UCs will not grant credit for MATH C2210, because it was completed after the advanced course MATH C2220; it is out of sequence).
   b. *Credit may be limited for courses with overlapping content (Example: CDEV C1000 and PSYC 157 or SOC 240 and PSYC 240).
   c. *Duplicate credit will not be awarded for both an Honors and non-Honors course (Example: HIST 101* and HIST 101H*)
   d. + Courses with a plus sign are published in more than one GE area, but can only meet one GE area, not both. Exceptions are made for courses ***in the sciences (5A/5B) and laboratory (5C), and for courses that meet the CSU United States History, Constitution, and American Ideals graduation requirements, US1 and US2 + US3.***
   e. ◊ Cross-listed course, credit will be given for only one course (Example: CDEV C1000 and APCD 107 or ETHN 101 and SOC 101).
6. Courses taken at regionally accredited colleges or universities (not at a California Community College) can meet Cal-GETC general education requirements. The Articulation Officer reviews such courses via the "Pass Along Petition" process. Per Cal-GETC general education standards, the Articulation Officer determines Cal-GETC GE placement. **Meet with an SCC counselor for more information on the Pass Along Petition process**.

SCC_Cal-GETC_Draft_08_14_26_LA_(SS09-C)

# SANTIAGO CANYON COLLEGE - PLAN 3
## 2026-2027 Associate in Science General Education Pattern

**Area 1: English Composition, Oral Communication, and Critical Thinking**
**6 SEMESTER/8 QUARTER UNITS ARE REQUIRED**
**Complete ONE course from 1A and ONE course from 1B**

### 1A: ENGLISH COMPOSITION

| Completed | In Progress | Need |
|---|---|---|
| | | |

**English** C1000*/C1000H* *(formerly ENGL 101*/101H*)*

**Other Regionally Accredited College Course:**_____ **AP/CLEP/IB**_____

### 1B: ORAL COMMUNICATION AND CRITICAL THINKING

| Completed | In Progress | Need |
|---|---|---|
| | | |

**Communication** 101, 111, C1000*/C100H* *(formerly COMM 110)*, C1004*&/C1004H*& *(formerly COMM 100*/100H*);*
**English** C1001*/C1001H* *(formerly ENGL 103*/103H*)* C1003*&/C1003H*& *(formerly ENGL 102*&/102H*&);*
**Philosophy** 110*/110H*, 111; **Reading** 150, 151

**Other Regionally Accredited College Course:** _____

**Area 2: Mathematics and Quantitative Reasoning**
**3 SEMESTER/4 QUARTER UNITS ARE REQUIRED**
**Complete ONE course from Area 2**

### 2: MATHEMATICS AND QUANTITATIVE REASONING

| Completed | In Progress | Need |
|---|---|---|
| | | |

**Business** 130; **Computer Science** 111, 112, 120*/120H*, 121*/121H*, 131, 149, 154; **Data** 100; **Mathematics** 105, 140*, 140S*, 150*, 150S*, 171*, 203, 225, 270, 280, 287*, 290*, 295*, C2210*/C2210E*/C2210H* *(formerly MATH 180*/180S*/180H*),* C2220 *(formerly MATH 185)*; **Sociology** 125*/125H*; **Statistics** C1000*/C1000E*/C1000H* *(formerly MATH 219*/219S*/219H*)*; **Water and Wastewater Technology** 137

**Other Regionally Accredited College Course:** _____ **AP/CLEP/IB**_____

**Area 3: Arts and Humanities**
**3 SEMESTER/4 QUARTER UNITS ARE REQUIRED**
**Complete ONE course from either 3A or 3B**

### 3A: ARTS

| Completed | In Progress | Need |
|---|---|---|
| | | |

**Art** 100*/100H*, 110; C1100*/C1100H* *(formerly ART 101*/101H*)*, C1200*/C1200H* *(formerly ART 102*/102H*)*;
**Cinema Studies** 103, 104, 105&, 107, 108; **Dance** 100; **Music** 101*/101H*, 102, 103, 104, 110; **Theatre Arts** 100

**Other Regionally Accredited College Course:** _____

### 3B: HUMANITIES

**American Sign Language** 110, 111, 116, 210; **Anthropology** 104&; **Chinese** 101, 102;
**English** C1003*&/C1003H*& *(formerly ENGL 102*&/102H*&)*, 231, 232, 233A, 233B, 241, 242, 270, 271, 272, 278, 279;
**Ethnic Studies** 104&◊, 105&◊; **French** 101, 102, 201, 202; **Gender, Sexuality, and Women Studies** 101&, 102&, 103&, 104&◊, 105&◊;
**History** 101*&/101H*&, 102*&/102H*&, 115&, 125&, 129&, 130&, 132&, 142&, 172&; **Italian** 101, 102, 194, 195, 201, 202;
**Nutrition & Food** 120&; **Philosophy** 106*/106H*, 108, 112, 115, 118, 120; **Spanish** 101*/101H*, 101A & 101B, 102*, 110, 111, 194, 195A, 195B, 201, 202, 213

**Other Regionally Accredited College Course:** _____ **AP**_____

**Area 4: Social and Behavioral Sciences**
**3 SEMESTER/4 QUARTER UNITS ARE REQUIRED**
**Complete ONE course from Area 4**

### 4: SOCIAL AND BEHAVIORAL SCIENCES

| Completed | In Progress | Need |
|---|---|---|
| | | |

**Anthropology** 100*/100H*, 103, 104&; **Apprenticeship Child Growth and Development** 107*◊, 110◊, 221◊; **Child Development** 110◊, 221◊; C1000*◊/C1000H*◊ *(formerly CDEV 107*◊/107H*◊)*; **Cinema Studies** 105&; **Communication** 120*/120H*, 225*/225H*, C1004*&/C1004H*& *(formerly COMM 100*/100H*);* **Computer Science** 100; **Counseling** 150, 152#, 165; **Criminal Justice** 101; **Economics** 102, C2001 *(formerly ECON 101)*; **Education** 101; **Gender, Sexuality, and Women Studies** 101&, 102&, 103&, 104&◊, 105&◊; **Geography** 100*/100H*, 102*/102H*; **History** 101*&/101H*&, 102*&/102H*&, 115&, 118, 124, 125&, 126, 127, 129&, 130&, 132&, 133, 140, 142&, 152, 162, 172&, 240, C1001*/C1001H* *(formerly HIST 120*/120H*)*, C1002*/C1002H* *(formerly HIST 121*/121H*)*; **Interdisciplinary Studies** 155; **Kinesiology** 106, 108, 109, 110, 111; **Nutrition & Food** 120&; **Political Science** 150, 201, 220, 221, 230, C1000*/C1000H* *(formerly POLT 101*/101H*)*; **Psychology** 157*, 160, 170, 180, 190, 200&, 220, 230, 240*, 250, C1000*/C1000H* *(formerly PSYC 100*/100H*)*; **Sociology** 100*/100H*, 101&◊, 115, 116, 120, 130, 220, 240*/240H*, 286

**Other Regionally Accredited College Course:** _____ **AP/CLEP/IB**_____

SCC Plan 3 Final 08 14 26 LA/(SS09-C)

| Area 5: Natural Sciences<br>3 SEMESTER/4 QUATER UNITS ARE REQUIRED<br>Complete ONE course from either 5A or 5B | Completed | In Progress | Need |
|---|---|---|---|
| **5A: PHYSICAL SCIENCES**<br>**Astronomy** 102, 103, 104; **Chemistry** 100*, 200A*/200AH*, 200B; **Earth Science** 100, 111, 120, 121, 130, 160, 200; **Geography** 101*/101H*, 130*/130H*; **Physics** 150A*, 150AC*, 150B*, 150BC*, 250A*, 250B*, 250C*; **Water and Wastewater Technology** 155<br>**Other Regionally Accredited College Course:** _____ **AP/CLEP/IB** _____ | | | |
| **5B: BIOLOGICAL SCIENCES**<br>**Anthropology** 101; **Biology** 109*/109H*, 111, 115, 139, 149, 190, 211, 213, 215, 229, 239, 241, 249, 259, 290; **Nutrition & Food** 115; **Psychology** 200[&]<br>**Other Regionally Accredited College Course:** _____ **AP/CLEP/IB** _____ | | | |

| Area 6: Ethnic Studies<br>3 SEMESTER/4 QUARTER UNITS ARE REQUIRED<br>Completed ONE course from Area 6 | Completed | In Progress | Need |
|---|---|---|---|
| **6: ETHNIC STUDIES**<br>**Ethnic Studies** 101[◊], 104[&◊], 105[&◊], 110, 120, 130, 140; Gender, Sexuality, and Women's Studies 104[&◊], 105[&◊]<br>**Sociology** 101[&◊]<br>**Other Regionally Accredited College Course:** _____ | | | |
| **TOTAL UNITS:** | | | |

## ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

**I. Units and Residency Requirements**

60-degree applicable units, with at least a 2.0 grade point average in the degree applicable courses. At least 12 of the units must be earned at Santa Ana College, Santiago Canyon College, or a combination of the two. Students may petition to waive the residency requirement in order to alleviate injustice and undue hardship. If units accumulated beyond those required for the degree lower a student's cumulative grade point average below 2.0, Santa Ana College and Santiago Canyon College will compute the grade point average based solely on those courses used to satisfy the degree requirements, provided that the coursework used to compute the grade point average fulfill all major/area of emphasis and general education requirements.

**II. General Education Requirements**

21 semester units of general education which include one course or more as indicated in area requirements 1-6. (Students earning an Associate Degree for Transfer (ADT) must instead complete Cal-GETC. Students may also use full CSU-GE Breadth or Full IGETC certification to earn an ADT but will need to consult with a counselor to determine CSU-GE/IGETC eligibility). Courses from the major may be used to satisfy areas 1-6.

The requirements in areas 1-6 may also be met by Cal-GETC certification or by submitting a transcript showing completion of a bachelor's degree from a regionally accredited institution. Students may also use full CSU-GE Breath or full IGETC certification to meet requirements (student must consult with a counselor to determine CSU-GE/IGETC eligibility). In addition, the requirements in areas 1-6 may be met by submitting a transcript showing completion of an Associate of Arts or Associate of Science degree from a regionally accredited California institution within a ten-year period of finishing major requirements (III) at the college.

**III. Major Requirements:**

Each degree program specifies courses required for the major (a minimum of 18 units). Students must complete these courses with a grade of "C" or better or with a "P" if the course is taken on a Pass/No Pass basis*. See instructional programs section

*A maximum of 14 Pass/No Pass units is allowed for any degree program. This does not include units taken under credit by examination or assessment, or units earned in course which Pass/No Pass is the only grading option.

**Credit Limitations and Other Notations:**

# Course does not transfer to UC

◊ Courses with a diamond are cross listed with another course. Credit is given for only one course.

*Courses with an asterisk (*) have a UC credit limitation:

(1) No credit given for an introductory course if taken after a more advanced college course.

(2) Credit may be limited for courses with overlapping content.

(3) No Duplicate credit for both an Honors and regular version of a course.

[&] Courses with an ampersand (&) may appear in more than one general education area but may only be used to meet **one** general education area.

**__Underlined courses meet the CSU US History, Constitution, and American Ideals Graduation Requirements.**

**US1:** Ethnic Studies 110, 120, 130, 140, History 118, 124, 127, C1001*/C1001H* *(formerly HIST 120*/120H*)*, C1002*/C1002H* *(formerly HIST 121*/121H*)*

**US2 + US3:** Political Science C1000*/C1000H* *(formerly POLT 101*/101H*)*

**International coursework may not be used to fulfill the following general education requirements:**

Area 1A: English Composition and Area 6: Ethnic Studies

**Majors that can only use Plan 3 to earn an Associate in Science Degree:**

**STEM Education Programs:**

Astronomy AS, Biology AS, Biotechnology AS, Chemistry AS, Earth Sciences AS, Kinesiology-Fitness and Active Lifestyle AS, Kinesiology-Health Promotion AS, Kinesiology-Sport Students AS, Land Surveying AS, Pre-Nursing and Allied Health Science AS, Wastewater/Environmental Sanitation AS, Water Distribution AS, Water Treatment AS, Water Utility Management AS

**Apprenticeship Programs:**

Apprenticeship Carpentry-Acoustical Installer AS, Apprenticeship Carpentry-Concrete AS, Apprenticeship Carpentry-Drywall Finisher AS, Apprenticeship Carpentry- Drywall Finisher AS, Apprenticeship Carpentry-Drywall/Lather AS, Apprenticeship Carpentry-Finish Carpentry AS, Apprenticeship Carpentry-Framing AS, Apprenticeship Carpentry-General Carpenter AS, Apprenticeship Carpentry-Insulator AS, Apprenticeship Carpentry-Millwrighting AS, Apprenticeship Carpentry-Pile Driver AS, Apprenticeship Carpentry- Plastering AS, Apprenticeship Carpentry-Tilt-Up AS, Apprenticeship Electricity-Industrial AS, Apprenticeship Electricity-Intelligent Transportation Systems Electrician AS, Apprenticeship Electricity-Sound Installer AS, Apprenticeship Electricity-Sound Technician AS, Apprenticeship in Early Childhood AS, Apprenticeship Operating Engineers-Construction Safety Inspector AS, Apprenticeship Operating Engineers-Heavy Duty Repairer AS, Apprenticeship Operating Engineers-Heavy Equipment/Landscape Operator Engineer AS, Apprenticeship Operating Engineers-Plant Equipment/Rock, Sand and Gravel AS, Apprenticeship Operating Engineers-Special Inspector AS, Apprenticeship Power Lineman AS, Apprenticeship Surveying-Chainman AS, Apprenticeship Surveying- Chief of Party AS, Apprenticeship Wastewater/Environmental Sanitation AS, Apprenticeship Water Treatment/Water Distribution AS

**Career Education Programs:**

Accounting AS, Business Administration AS, Business Management AS, Code Enforcement and Compliance AS, Computer Information Systems AS, Computer Science AS, Construction Administration for Public Works AS, Construction Inspection for Public Works AS, Construction Management AS, Cosmetology AS, Criminal Justice and Administration AS, Data Science AS, Entrepreneurship AS, Environmental Management AS, Gemology AS, General Electrician AS, Graphic Design AS, Health Care Administration AS, Maintenance Electrician AS, Maintenance Mechanic AS, Management AS, Marketing AS, Modern Policing AS, Public Administration AS, Real Estate AS, Social Media AS, Social Work and Human Services Assistant AS

**Liberal Arts Program:** Mathematics and Sciences AS

SCC Plan 3_Final_08_14_26_LA/ (SS09-C)

# TRANSFER TO OTHER COLLEGES

**Transfer Center**

The Transfer Center provides resources and services to assist students in researching, planning, and completing their transfer to a four-year college or university The Transfer Center coordinates various events throughout the year, including tours of universities, university representative advising appointments, transfer fairs, and a variety of workshops to help students with each step in the transfer process. In addition, the Transfer Center provides many useful resources such as; updates via social media and e-mail, computers for use in research and completing applications, a comprehensive website and Canvas resource course, and expert advice from trained staff and counselors. For more information, stop by D-104-N, call (714) 628-4865, visit us at http://sccollege.edu/transfer or follow us @SCCTransfer on Instagram.

**Transferability of Courses**

This section of the catalog is designed to help students plan an academic program for transfer to a four-year college or university. It includes information about the transfer process and general education requirements.

Since transfer requirements change frequently, students should meet with a counselor regularly to plan an academic program that will assure a smooth transition to the transfer institution of their choice.

Four-year colleges and universities often make changes in their requirements. The requirements listed in this section were updated at the time of publication; however, changes may have occurred after publication. Current transfer information and official articulation agreements are available in the Transfer Center and the Counseling Center at Santiago Canyon College. Articulation agreements are also available at **www.assist.org.**

There are four segments of higher education in California.

- University of California (UC) system - 10 campuses
- California State University (CSU) system - 22 campuses
- Independent colleges and universities - 200 plus campuses
- California community colleges - 116 campuses

Santiago Canyon College provides the first two years of a four-year college or university program.

Santiago Canyon College offers courses to meet general education, major or elective requirements. Students can transfer a maximum of 70 California community college units to a UC or CSU campus.

All courses numbered 100 or above will transfer to a CALIFORNIA STATE UNIVERSITY campus. Courses that are transferable to the UNIVERSITY OF CALIFORNIA will be designated on the UC Transferable Course Agreement. Some of the courses which are transferable to the University of California have credit limitations. Check the **SCC and UC Transfer Course Agreement** to review these limitations. This list is available in the Counseling Center, Transfer Center, in this catalog, and at **www.assist.org**.

Independent and out-of-state colleges and universities usually accept most courses that are transferable to the University of California and many of the courses that are transferable to the California State University.

**Begin a Transfer Major at Santiago Canyon College**

To obtain a bachelor's degree, students need to select a course of study in which to specialize. This course of study is called a major Almost every major requires that certain courses be completed during the first and/ or second year of college. These are called Lower-Division Major Requirements. Many of these requirements can be completed at sec prior to transferring. (The highly specific courses in the major are called Upper-Division Requirements and these are completed after transfer). In developing a program for transfer, the first consideration in most cases should be given to completing the courses required in the transfer major or as preparation for the major.

Course Requirements for Transfer Students

A student can transfer from Santiago Canyon College to a four-year college or university as a junior without loss of time or credits by completing the following:

1. Lower-Division Major Requirements. Most majors at four-year colleges and universities require the completion of one or more lower-division courses as preparation for the upper-division course work in a major. Santiago Canyon College offers courses to meet the lower-division requirements for most majors at four-year colleges and universities.

Information about many specific major requirements is available in the Counseling and Transfer Center, or at **www.assist.**org. Students should meet with a counselor for additional information about major programs and requirements.

2. General Education Requirements. These are the courses required of students to obtain a degree regardless of major. They are designed to provide students with the knowledge, skills, and understanding which will enable them to function as intelligent and creative members of the community. Courses in writing, critical thinking, mathematics, sciences, arts and humanities, and the social sciences are included in general education.

3. Electives. These are courses of choice taken in addition to courses for the major and general education requirements.

Students enrolled in a transfer program can complete most of their general education and lower-division major requirements before transferring. Students who are planning to transfer to a four-year college or university should meet with a Santiago Canyon College counselor in the Counseling Center to develop a Comprehensive Student Education Plan which will identify the courses needed to transfer.

Transfer students may also want to complete an associate degree. While not a requirement for transfer, the associate degree is generally recommended, and proper planning should enable students to satisfy both requirements for graduation from SCC and for transfer.

**California State University**

The California State University has 22 campuses located throughout the state. While each campus within the system has its own unique geographic and curricular character, all campuses offer undergraduate and graduate instruction for professional and occupational goals and a broad liberal education. The CSU offers more than 4,000 degree programs that align with workforce demands. Campuses are located at Bakersfield, Channel Islands, Chico, Dominguez Hills, East Bay, Fresno, Fullerton, Hayward, Humboldt, (Cal Poly). Long Beach, Los Angeles, Monterey Bay, Northridge, Pomona (Cal Poly). Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo (Cal Poly). San Marcos, Sonoma, Stanislaus, and Vallejo (Cal Poly Maritime Campus)

To obtain a bachelor's degree from the CSU system, a student must complete a minimum of 120-semester units (180 quarter units). A maximum of 60 units of transferable credit will be accepted for courses completed at a community college. Prospective CSU transfer students should

# TRANSFER TO OTHER COLLEGES

consult a counselor regarding CSU admission, as requirements vary depending upon the student's status at the time of high school graduation.

There are four types of transfer students. Most transfer students fall under 3; meet with a counselor to discuss which transfer type aligns with your goal.

1. CCC – Associate Degree for Transfer (ADT)

2. CCC – Transfer Success Pathway

3. Upper-Division Transfer

4. Lower-Division Transfer

CSU highly recommends prospective transfer students create a CSU Transfer Planner account to:

- Learn more about the 22 CSU programs and transfer-admission requirements
- Save degree programs of interest to the online account and access them all in one platform
- Log community college coursework to track general education progress and compare current GPA against the transfer-admission requirements.
- Receive helpful tips on successfully transferring to the chosen CSU campus as efficiently as possible.

**Upper-Division Transfer**

To be admitted to the California State University as an upper-division transfer (UDT) student, you must:

- Have completed at least 60 semester (90 quarter) units of transferable college credit, of which 30 semester (45 quarter) units are at a level equivalent to general education courses;
- Have attained a grade point average of 2.0 or better across all transferable college courses attempted. A higher GPA may be required for high-demand programs and/or campuses;
- be in good standing at the last college or university attended. In other words, "good standing" means you are eligible to re-enroll at your last college or university;
- have completed with a grade of C- or better one course in each of the following four areas:

Area 1: English Communication

- 1A – English Composition
- 1B – Critical Thinking/Composition
- 1C – Oral Communication

**Area 2: Mathematical Concepts and Quantitative Reasoning**

- Although CSU may accept C- grades for their general education, since the CSU and UC share the Cal-GETC general education pattern, all general education areas must be passed with a C or better grade or a "Passing" grade for certification. Each CSU accepts a maximum of semester/quarter units with a "Passing" grade, consult with each CSU catalog for more details.

NOTE: Some CSU campuses may impose a higher GPA admission standard based on impacted major or impacted campus status.

**General Education Requirements for California State University**

To earn a bachelor's degree from the California State University, each student must complete a general education.

Students who enrolled at Santiago Canyon College starting fall 2025 must complete the California General Education Transfer Curriculum (Cal-GETC). Students who maintain continuous enrollment* have catalog rights to previous general education patterns and may use either the CSU General Education Breadth Requirements (Plan B) or the Intersegmental General Education Transfer Curriculum (IGETC/Plan C) for CSU. Students with continuous enrollment are highly recommended to meet with a counselor to determine CSU-GE/Plan B or IGETC/Plan C eligibility.

***Continuous Enrollment - Continuous enrollment means completing one semester each calendar year (Example: Fall 2023, Spring 2024, Spring 2025, etc.) without a one-year break. If continuous enrollment is lost, students must follow Cal-GETC.***

Plan 2: California General Education Transfer Curriculum (Cal-GETC) Requirements

For specific courses which meet these requirements see the General Education Pattern section of the online catalog. Students who complete Plan B Cal-GETC/Plan 2 are eligible to receive a Certificate of Achievement in General Education.

**AREA 1: ENGLISH COMMUNICATION – 9 semester/12 quarter units**

- 1A: English Composition
- 1B: Critical Thinking/Composition
- 1C: Oral Communication

**AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING – 3 semester/4 quarter units**

**AREA 3: ARTS AND HUMANITIES – 6 semester/8 quarter units**

- 3A: Arts
- 3B: Humanities

**AREA 4: SOCIAL AND BEHAVIORAL SCIENCES – 6 semester/8 quarter units**

**(Must select TWO courses from at least TWO different disciplines.)**

**AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES – 7 semester/9 quarter units**

- 5A: Physical
- 5B: Biological
- 5C: Laboratory

**AREA 6: ETHNIC STUDIES – 3 semester/4 quarter units**

**OPTIONAL (Not part of Cal-GETC) – CSU GRADUATION REQUIREMENT: U.S. HISTORY, CONSTITUTION, AMERICAN IDEALS (AI)**

CSU campuses have the discretion to allow courses that satisfy the CSU U.S. History, Constitution, and AI graduation requirement to count for GE.

**US 1: Historical Development and American Institution and Ideals (One Course; may also count for areas 4 or 6) Ethnic Studies** 110, 120, 130, 140; **History** 118, 124, 127, C1001*/C1001H* (formerly HIST 120*/120H*), C1002*/C1002H* (formerly HIST 121*/121H*)

**US 2: U.S. Constitution and Government AND US 3: California State and Local Government (may count for area 4)**

**Political Science** *C1000*/C1000H* (formerly POLT 101*/101H*)*

**Independent and Out-of-State Colleges and Universities**

There are many outstanding independent and out-of-state institutions that are fully accredited and provide many options at the undergraduate, graduate, and professional levels for students planning to continue their education beyond the community college. Each

# TRANSFER TO OTHER COLLEGES

of these institutions has its own unique admission requirements. In order to determine eligibility, students should visit the website of the university to view admission requirements or the university catalog.

Santiago Canyon College has articulation agreements/ partnerships with a number of independent and out-of-state institutions, such as Arizona State University, Chapman University, Grand Canyon University, University of Southern California, and Southern New Hampshire University. Some campuses accept the completion of Cal-GETC/Plan 2 in lieu of their general education. Students transferring to independent or out-of-state institutions should meet with a Santiago Canyon College counselor in order to determine appropriate general education and major preparation requirements.
For more information and links to many private/ independent, or out-of-state institutions, visit:
California Colleges:http://www.californiacolleges.edu
Association of Independent California Colleges and Universities: https://aiccu.edu/default.aspx
SCC Articulation Office Website: https://sccollege.edu/campus/collegeoffices/articulationoffice/SitePages/Home.aspx
SCC Transfer Center: http://sccollege.edu/transfer
Articulation System Stimulating Inter-Institutional Student Transfer (ASSIST): https://assist.org/

**Pass Along Policy and Procedures**

Pass Along permits students to use courses taken at colleges or universities not part of the California Community College system to meet general education (GE) requirements on the Cal-GETC/Plan 2 GE patterns. All completed coursework must come from a regionally accredited institution, meaning that an institution must be accredited by one of the seven U.S. regional accrediting associations:

- Middle State Commission on Higher Education (MSCHE)
- New England Association of Schools and Colleges, Commission on Institutions of Higher Education (NEASC-CHE)
- Higher Learning Commission (HLC) (formerly Northern Central Association of Colleges and Schools (NCA))
- Northwest Commission on Colleges and Universities (NWCCU)
- Southern Association of Colleges and Schools, Commission on Colleges (SACSCOC)
- Accrediting Commission for Community and Junior Colleges - Western Association of Schools and Colleges (ACCJC-WASC)
- WASC Senior College and University Commission (WSCUC)

Pass Along petitions are reviewed only in fall and spring after the second week of school. To start the Pass Along process students must:

2. Be currently enrolled and actively attending Santiago Canyon College.

3. Complete twelve units of Santiago Canyon College coursework.

4. Submit official transcripts from all institutions attended to the SCC Admissions Office in E-101. An electronic transcript is considered official only if it is sent directly to the SCC Admissions Office. Electronic transcripts sent directly to the student are not considered official transcripts. Students are advised to obtain extra transcripts for their personal files.

5. Make a copy of the course description for each course the student wants a pass-along review. The description must be from the catalog of the year the student completed the course. If a course description cannot be located, the student must contact the institution for the appropriate one.

**NOTE:** Cal-GETC Areas: 1A-English Composition, 1B-Critical Thinking/Composition, 1C-Oral Communication, and 6: Ethnic Studies a course syllabus must be provided for review. Cal-GETC English Pass Along Petitions are reviewed by the English Department between the first through the sixth week of the fall and spring semester only.

6. Make an appointment with an SCC Counselor. Bring copies of the course descriptions/syllabi and official transcripts to the appointment. The counselor will assist the student in filling out the "Pass Along Petition." Courses with a C minus (C-) grade are not reviewed for Cal-GETC.

7. Completed Pass Along petitions are submitted to the Articulation Officer for review and take two to three weeks to process. Students will be notified by email once a decision is made.

**NOTE:** Students with continuous enrollment have catalog rights and may use CSU-GE/Plan B or IGETC/Plan C and can submit a Pass Along Petition.

- Continuous enrollment means completing one semester each calendar year (Example: Fall 2023, Spring 2024, Spring 2025, etc.) without a one-year break.
- If continuous enrollment is lost, students must submit a Cal-GETC Pass Along Petition.
- If the CSU-GE area A1, A2, A3, or B4 course double-counts for GE and a major requirement, it is recommended that these courses be completed with a grade of "C' or better for certification.
- Courses with a D minus (D-) grade are not reviewed for CSU-GE Breadth/ Plan B.
- Courses with a "C-"grade are not approved on IGETC/Plan C or Cal-GETC/Plan 2.
- Courses from international institutions cannot be considered Pass Along.

**University of California**
The University of California has ten campuses located throughout the state. Each campus within the system has its own unique geographic and academic character. The University offers bachelor's, master's, and doctoral degrees in a variety of subject areas. Campuses of the University are located at Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, and Santa Cruz.
To obtain a baccalaureate degree from the UC system, a student must complete a minimum of 120-semester units (180 quarter units). A maximum of 60 units of transferable credit will be accepted for courses completed at a community college.

University of California Admissions Requirements for Transfer Students

*Upper-Division Transfer*

The vast majority of transfer students enter the University of California at the junior level from a community college. To be eligible for admission as a junior or upper-division transfer student, a student must fulfill both of the following criteria:
l. Complete 60 semester or 90 quarter units of transferable college credit with a grade point average of at least 2.4 (2.8 for nonresidents). No more than 14-semester units (21 quarter) may be taken Pass/ Not Pass, and
2. Complete the following seven-course pattern requirements and earn a grade of "C" or better in each course: or a Pass (P) grade if Pass is equivalent to a C (2.0):
• Two transferable college courses (3 semester or 4-5 quarter units each) in English composition; and
• One transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning; and
• Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences.

Students who satisfy the California General Education Transfer Curriculum (Cal-GETC/Plan 2) prior to transferring to UC will satisfy section 2 of the transfer admission requirements listed above.

*Lower-Division Transfer*

The University of California admits a limited number of transfer students before they reach junior or upper-division standing if they have met specific

# TRANSFER TO OTHER COLLEGES

requirements. Lower-division transfer admission decisions vary by UC campus, and it is not a common policy for many UC campuses. If a student were to be admitted as a lower-division transfer at a UC campus the following criteria would apply: If a student was eligible for admission to the University of California when he or she graduated from high school meaning the student fulfilled the Subject, Scholarship, and Examination Requirements, or was identified by the University of California as eligible in the local context and completed the Subject examination requirements in the senior year, the student is eligible for transfer if he or she has a C (2.0) average in transferable college work. If a student met the Scholarship Requirement in high school but did not satisfy the Subject requirement, the student must take transferable college courses in the missing subjects, earn a "C" or better in each required course and maintain an overall 2.0 GPA in all transferable coursework to be eligible to transfer.

*NOTE: UC campuses may impose a higher GPA admission standard; please see a Santiago Canyon College counselor for more information.*

General Education Requirements for the University of California

To earn a bachelor's degree from the University of California, each student must complete a program of general education. To meet the general education requirements of the University, students can complete either the California General Education Transfer Curriculum (Cal-GETC/Plan 2) or individual campus general breadth requirements. Santiago Canyon College strongly recommends that students follow the Cal-GETC/Plan 2 rather than the individual campus general education/breadth requirements because this will usually provide more flexibility when applying for transfer. However, some UC campuses may discourage or restrict the use of Cal-GETC/Plan 2 for particular majors, especially majors that have many lower-division requirements that can be met at the community college. Students who began at a UC campus and who intend to transfer back to the same campus cannot use Cal-GETC/Plan 2 . Students who enrolled at a UC campus, leave that campus and attend Santiago Canyon College, and plan on transferring to a different UC campus may use the Cal-GETC/Plan 2 . Students are strongly encouraged to work with a Santiago Canyon College Counselor to develop an education plan that incorporates major preparation and appropriate general education requirements.

Plan 2 California General Education Transfer Curriculum Cal-GETC/Plan 2 for CSU and UC

**AREA 1: ENGLISH COMMUNICATION – 9 semester/12 quarter units**
- 1A: English Composition
- 1B: Critical Thinking/Composition
- 1C: Oral Communication

**AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING – 3 semester/4 quarter units**

**AREA 3: ARTS AND HUMANITIES – 6 semester/8 quarter units**
- •3A: Arts
- •3B: Humanities

**AREA 4: SOCIAL AND BEHAVIORAL SCIENCES – 6 semester/8 quarter units**
(Must select TWO courses from at least TWO different disciplines.)

**AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES – 7 semester/9 quarter units**
- 5A: Physical
- 5B: Biological
- 5C: Laboratory

**AREA 6: ETHNIC STUDIES – 3 semester/4 quarter units**

**OPTIONAL (Not part of Cal-GETC) – UC GRADUATION REQUIREMENT: LANGUAGE OTHER THAN ENGLISH (LOTE)**
*Upon transfer to UC, a course approved to fulfill a Cal-GETC subject area 3B (language courses only) may be used to satisfy the LOTE requirement if it meets relevant UC criteria. Each UC campus has its own LOTE guidelines and requirements.* ***SANTIAGO CANYON COLLEGE DOES NOT CERTIFY LANGUAGE PROFICIENCY.***

**OPTIONAL (Not part of Cal-GETC) – CSU GRADUATION REQUIREMENT: U.S. HISTORY, CONSTITUTION, AMERICAN IDEALS (AI)**
CSU campuses have the discretion to allow courses that satisfy the CSU U.S. History, Constitution, and AI graduation requirement to count for GE.

**US 1: Historical Development and American Institution and Ideals (One Course; may also count for areas 4 or 6)**
**Ethnic Studies** 110, 120, 130, 140; **History** 118, 124, 127, C1001*/C1001H* (formerly HIST 120*/120H*), C1002*/C1002H* (formerly HIST 121*/121H*)

**US 2: U.S. Constitution and Government *AND* US 3: California State and Local Government (may count for area 4)**
**Political Science** *C1000*/C1000H* (formerly POLT 101*/101H*)*

Students following the Cal-GETC/Plan 2 are strongly advised to complete all requirements prior to transfer. Completion of the pattern allows the student to petition for Cal-GETC/Plan 2 certification. Cal-GETC/Plan 2 certification means the student has met all lower-division general education requirements.
Students who complete Plan C Cal-GETC/Plan 2 are eligible to receive a Certificate of Achievement in General Education (IGETC). (Cal-GETC).
**Certification of General Education for Transfer to UC or CSU**

Upon a student's request, Santiago Canyon College will verify the completion of lower-division general education requirements for transfer to the University of California or the California State University. Students should request Cal-GETC/Plan 2 certification during the semester prior to the last term of attendance. Students who transfer without certification will have to meet the general education requirements of the specific UC or CSU campus to which they are transferring. Meeting these requirements usually necessitates taking additional courses.

Students who have taken courses at other colleges can have these courses approved in the certification process. Using the California General Education Transfer Curriculum (Cal-GETC/Plan 2) Santiago Canyon College will certify (guarantee) courses taken at other California community colleges in the areas designated by the offering college.

Courses taken at independent or out-of-state colleges/universities that are regionally accredited (which do not Cal-GETC certification list) may be approved for certification via a "Pass Along Petition" and after a review by the Santiago Canyon College Articulation Officer. Courses are passed along for Cal-GETC if they are equivalent to courses on the Santiago Canyon College or another California community college's Cal-GETC pattern. Pass Along Petitions are available at the Santiago Canyon College Counseling Department and must be accompanied by the appropriate documentation. Students must make an appointment with a Santiago Canyon College counselor before submitting a Pass Along Petition.

Courses from foreign institutions cannot be used in the Cal-GETC certification process.

**NOTE:** Students with continuous enrollment have catalog rights and may use IGETC/Plan B, petition for certification or submit a Pass Along Petition. Continuous enrollment is completing one semester each calendar year (Example: Fall 2023, Spring 2024, Spring 2025, etc.) without a one-year break. Students must submit a Cal-GETC certification or Pass-Along Petition if continuous enrollment is lost.

*NOTE: Transcripts from all colleges attended must be submitted to the Admission Office before requesting certification.*

# ASSOCIATE IN ARTS FOR TRANSFER (A.A.-T) OR ASSOCIATE IN SCIENCE FOR TRANSFER (A.S.-T) DEGREE REQUIREMENTS • 2026-2027

**Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T) Reciprocity, Course Substitution, External Exams, and Credit by Exam Policy and Procedures**

Students who have taken courses from a California Community College, a regionally accredited institution, completed an external exam such as AP, CLEP (may be used on SCC local general education patterns only), or IB or Credit by Exam may be granted credit towards an AA-T/AS-T general education and/or major requirement. Courses will be reviewed by one of the following methods:

**General Education Courses**

- General education courses taken at other California Community Colleges are granted course-to-course reciprocity providing the course in question appears on Cal-GETC/ Plan 2 at the time the student completed the course.
- Non-California Community College general education courses are reviewed by the Articulation Officer via the pass-along process in accordance with the Cal-GETC standards.
- Students who completed an external examination such as AP, CLEP or IB are granted credit towards general education consistent with Cal-GETC policies.
- Santiago Canyon College Credit by Exam may be granted for general education only if a course is eligible and listed in the Credit by Exam section of the SCC Catalog.

**Major Requirement Courses**

- A major requirement with a C-ID number taken at another California Community College (CCC) is granted course-to- course reciprocity and meets the same designated C-ID major requirement found in the SCC's AA-T/AS-T.
- A major requirement completed at another California Community College that is approved as part of its AA-T or AS-T, will be applied to the corresponding Santiago Canyon College AA-T/AS-T area. Courses completed at other CCCs must be part of their AA- T/AS-T at the time the student completed the course, if a course is not part of the AA-T/AS-T then the course must be reviewed by the SCC discipline faculty in accordance with the C-ID descriptor. Courses completed at other CCCs prior to the AA-T/AS-T approval, will be "grandfathered".
- A major requirement without a C-ID number taken at another California Community College, where an AA-T/AS-T does not exist, is reviewed by the SCC discipline faculty in accordance with the C-ID descriptor.
- A non-California Community College major requirement taken at a regionally accredited institution is reviewed by the SCC discipline faculty in accordance with the C-ID descriptor and if comparable, course-to-course substitution is granted.
- Students who completed an external examination such as AP, CLEP or IB are granted credit towards major requirements where exam-to-course comparability exists; if exam-to-course comparability does not exist, the discipline faculty reviews the external exam and determines course comparability if a course is offered (Students should be aware that external exam credit may be awarded/counted differently by the transfer institution).
- Santiago Canyon College Credit by Exam may be granted for major requirements only if a course is eligible and listed in the Credit by Exam section of the SCC Catalog

It is strongly recommended students make an appointment with a Santiago Canyon College counselor to discuss appropriate credit placement.

# UNIVERSITY OF CALIFORNIA AND SANTIAGO CANYON COLLEGE TRANSFER COURSE AGREEMENT 2026-2027

This agreement lists approved Santiago Canyon College courses transferable for unit credit at all UC campuses and explains UC credit provisions. Additional courses for 2026-2027 may be approved after this catalog publication date. Please see an SCC counselor for more information. Or visit ASSIST.org

**Accounting (ACCT)**
101, 102

**American College English (ACE)**
104, 106, 116

**American Sign Language (ASL)**
110*, 111, 116, 210

- ASL 110 corresponds to two years of high school study

**Anthropology (ANTH)**
100, 100H, 101, 101L, 103, 104

**(ART) (ARTH)**
100,100H, 110, 111,
130, 131, 139,141, 149, 195, 230, 231, 232, 233, 241, 242, C1100, C1100H, C1200, C1200H

**Astronomy (ASTR)**
100L, 102, 103, 112

**Apprenticeship Child Development (APCD)**
110*, 116A, 221*

- APCD 110, and APCD 221 Same as CDEV 110, and CDEV 221 respectively.

**Biology (BIOL)**
109#, 109H#, 109L#, 109HL#, 111, 115, 139*, 149, 177, 190, 190L, 211, 213, 215, 229*, 239, 241, 249, 259, 290

\# No credit for BIOL 109, 109H, 109L, 109LH if taken after BIOL 211

* BIOL 139 and 229 maximum credit one course

**Business (BUS)**
100, 105, 150

**Chemistry (CHEM)**
100*, 200A, 200AH, 200B, 280A, 280B

- No credit for CHEM 100 if taken after 200A/200AH

**Chinese (CHNS)**
101*, 102

- CHNS 101 corresponds to two years of high school study.

**Child Development (CDEV)**
110, 116A, 123A, 221

**Cinema Studies (CINE)**
103, 104, 105, 107, 108, 124, 130, 140, 152

**Communication Studies (COMM)**
101, 111, 120, 120H, 134, 135, 190, 225, 225H, C1000*, C1000H, C1004*, C1004H*

**Computer Information Systems (CIS)**
111

**Computer Science (CMPR)**
100, 105, 112, 120, 121,129, 131, 149, 154, 213

**Counseling (CNSL)**
101*, 106*, 110*, 111*, 116*, 150

- Counseling 101, 106, 110, 111, and 116 combined: maximum credit 3 units

**Criminal Justice (CJ)**
101, 115, 116, 117

**Dance (DNCE)**
100, 106A, 106B, 108A, 108B, 115A, 115B, 119A, 119B, 204A, 204B, 205, 250A, 250B

**Earth Science (ERTH)**
100, 100L, 111, 120*, 121+,130, 160, 200

- No credit for ERTH 120 if taken after ERTH 121

\+ No credit for ERTH 121 if taken after ERTH 120

**Economics (ECON)**
102, C2001

**Education (EDUC)**
101, 200, 210

**Engineering (ENGR)**
200, 220, 225, 230

**English (ENGL)**
C1000*, C1000H*, C1001*, C1001H*, C1003*, C1003H*, 213, 231, 232, 233A, 233B, 241, 242, 270, 271, 272, 278, 279, 280

**Ethnic Studies (ETHN)**
101*, 104*, 105*, 110, 120, 130, 140

- ETHN 101 Same as SOC 101; ETHN 104 Same as GSWS 104; ETHN 105 Same as GSWS 105

**French (FREN)**
101*, 102, 201, 202

- FREN 101 corresponds to two years of high school study

**Gender, Sexuality, and Women's Studies (GSWS)**
101, 102, 103, 104*, 105*

* GSWS 104 Same as ETHN 104; GSWS 105 Same as ETHN 105

**Geography (GEOG)**
100, 100H, 101, 101H, 101L, 102, 102H, 130, 130H, 140, 150, 155*

- GEOG 155 Same as SURV 155

**Health Care Administration (HCA)**
102

**History (HIST)**
101, 101H, 102, 102H, 113, 115, 118, 124, 126, 127, 130, 132, 133, 140, 152,162, 172, 240, C1001*, C1001H*, C1002*, C1002H*

**Interdisciplinary Studies (IDS)**
155

**Italian (ITAL)**
101*, 102, 195, 201, 202

- ITAL 101 corresponds to two years of high school study

Note: Duplicate credit will not be awarded for both Honors and regular versions of a course. Credit will be awarded to the first course completed with a "C" or better

# UNIVERSITY OF CALIFORNIA AND SANTIAGO CANYON COLLEGE TRANSFER COURSE AGREEMENT 2026-2027

This agreement lists approved Santiago Canyon College courses transferable for unit credit at all UC campuses and explains UC credit provisions. Additional courses for 2026-2027 may be approved after this catalog publication date. Please see an SCC counselor for more information. Or visit ASSIST.org

**Kinesiology (KIN)**

100, 101, 102#, 104#, 106, 108, 110#, 111 119*, 125A*, 125B*, 125C*126A*, 126B*, 127A*,127B*, 127C, 128A, 140A*, 140B*, 140C*, 146B*, 146C*, 160A*, 160B*,163A*, 168A*, 168B*, 170A*, 185A*, 185B*, 185C*, 200*, 201*, 202*, 203*, 204*, 240*, 241*, 242, 244*, 245*, 246*, 247, 248, 249, 255*, 256*, 257*, 270*, 271*, 272*, 273*, 274+, 281*, 283*, 284+

# KIN 102, 104, 110 maximum credit, one course; non activity courses maximum credit, 8 units

- For any or all activity courses maximum credit, 4 units

+ Any or all of these courses combined maximum credit, 8 units

**Library and Information Studies (INFO)** 100, 103, 103H, 105

**Mathematics (DATA)(MATH)(STAT)**

105, 140%, 150*+, 171%, 203, 280, 287#, 290#, 295#, C2210*+, C2210E*+, C2210H*+, C2220

DATA 100

STAT C1000^, C1000E^, C1000H^

% All College Algebra and Pre-Calculus courses limited to a single course with a maximum of 5 semester/7.5 quarter units.

- MATH 150, C2210, C2210E, C2210H combined: maximum credit, one course

+ MATH C2210, C2210E, C2210H combined: maximum credit, 4 semester units.

# MATH 287, 290 and 295 combined: maximum credit, 8 units

^ STAT C1000, C1000E, C1000H, SOC 125, SOC 125H combined: maximum credit, 1 course

**Music (MUS)**

101, 101H, 102, 103, 104, 110, 121, 122, 123,124, 126,
127, 128, 129, 161, 162, 163, 164A,164B, 182, 185,
186, 187, 188

**Nutrition (NUTR)**

115, 120

**Public Administration and Services**

PASV 120

**Philosophy (PHIL)**

106, 106H, 108, 109, 110, 110H, 111, 112,115, 118, 120

**Physical Science (PSC)**

100

**Physics (PHYS)**

100+,150A*, 150AC, 150B*, 150BC, 250A*, 250B*, 250C*

+ No credit for PHYS 100 if taken after PHYS 150A or 250A

- Maximum credit, one series; deduct credit for duplication of topics; PHYS 150A, 150B; or PHYS 250A, 250B, 250C

**Political Science (POLT)(POLS)**

101, 101H, 110, 201, 220, 221, 230, 235, POLS C1000, C1000H
(formerly POLT 101/101H)

**Psychology (PSYC)**

157*, 160, 170, 180, 190, 200, 220, 230, 240+, 250, C1000, C1000H (formerly PSYC 100/100H)

- PSYC 157 and CDEV 107 maximum credit, one course

+ PSYC 240 and SOC 240 maximum credit, one course

**Public Health (PHLT)**

100, 101

**Reading (READ)**

150, 151

**Sociology (SOC)**

100, 100H, 101*, 115, 116, 120, 125^, 125H^, 130, 150, 160, 210, 220, 230, 240+, 240H, 250, 286

- SOC 101 Same as ETHN 101

+ SOC 240 and PSYC 240 maximum credit, one course

^ SOC 125, SOC 125H, STAT C1000, C1000E, C1000H

combined: maximum credit, 1 course

**Spanish (SPAN)**

101*, 101H*, 101A+, 101B+, 102, 110, 111, 125,, 195A, 195B, 201, 202, 213

- SPAN 101 or 101H correspond to two years of high school study

+ SPAN 101A and 101B combined are equivalent to SPAN 101. Combined correspond to two years of high school study

**Surveying/Mapping Sciences (SURV)**

118*, 119*, 155^

- SURV 118 and 119 maximum credit, one course

^ SURV 155 Same as GEOG 155

**Theatre Arts (THEA)**

100, 110, 111, 118, 121, 122, 180A, 180B, 181A, 181B, 182A, 182B, 183A, 183B, 186A, 186B, 186C

**Water and Wastewater Technology**

155

Note: Duplicate credit will not be awarded for both Honors and regular versions of a course. Credit will be awarded to the first course completed with a "C" or better

# 2026-2027 ADVANCED PLACEMENT (AP) GUIDE AND POLICIES

**(Revised 08/21/26_LA)**

| Advanced Placement Exam | SCC GE: Plan 1 & Plan 3 Course GE Area Semester Units Awarded | CSU & UC: Cal-GETC Certification GE Area Semester Units UC NOTE 1 | CSU Minimum Semester Units Earned Towards Transfer CSU NOTE 2 | UC Minimum Semester Units Earned Towards Transfer UC NOTE 2 | UC Transfer Admissions Eligibility Areas (Students on the Seven Course Pattern) |
|---|---|---|---|---|---|
| **African American Studies** (Beginning May 2025) | No Course<br>No GE Area<br>3 units | Not Applicable | 3 units | 2.6 units | Not Applicable |
| **Art History** | ARTH C1100 and C1200<br>Area 3A<br>6 units | Area 3A or 3B<br>3 units | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **Art Studio: 2-D Design** | ART 110<br>No GE Area<br>3 units | Not Applicable | 3 units | 5.3 units<br>(5.3 units maximum credit for all three Studio Art exams) | Not Applicable |
| **Art Studio: 3-D Design** | ART 111<br>No GE Area<br>3 units | Not Applicable | 3 units | 5.3 units<br>(5.3 units maximum credit for all three Studio Art exams) | Not Applicable |
| **Art Studio: Drawing** | ART 130<br>No GE Area<br>3 units | Not Applicable | 3 units | 5.3 units<br>(5.3 units maximum credit for all three Studio Art exams) | Not Applicable |
| **Biology** | BIOL 109 and 109L or<br>BIOL 190 and 190L<br>Area 5A<br>4 units | Area 5B and 5C<br>4 units | 6 units | 5.3 units | UC-Physical and Biological Sciences **(UC-S)** |
| **Business with Personal Finance (Beginning August 2026)** | Not Applicable | Not Applicable | 3 units | Not Applicable | Not Applicable |
| **Calculus AB** | MATH C2210<br>Area 2<br>4 units | Area 2<br>3 units | 3 units<br>(only one Calculus exam applied to CSU degree) | 2.6 units<br>(5.3 units maximum credit for Calculus AB + BC exams) | UC-Mathematical Concepts and Quantitative Reasoning **(UC-M)** |
| **Calculus BC** | MATH C2210 and C2220<br>Area 2<br>8 units | Area 2<br>3 units | 6 units<br>(only one Calculus exam applied to CSU degree) | 5.3 units<br>(5.3 units maximum credit for Calculus AB + BC exams) | UC-Mathematical Concepts and Quantitative Reasoning **(UC-M)** |
| **Calculus BC/AB Subscore † (UC)** | MATH C2210<br>Area 2<br>4 units | Area 2<br>3 units | 3 units<br>(only one Calculus exam applied to CSU degree) | 2.6 units<br>(2.6 units maximum credit for Calculus AB + AB Subscore exams) | UC-Mathematical Concepts and Quantitative Reasoning **(UC-M)** |
| **Chemistry** | CHEM 200A<br>Area 5A (Plan 1)<br>Area 5 (Plan 3)<br>5 units | Area 5A and 5C<br>4 units | 6 units | 5.3 units | UC-Physical and Biological Sciences **(UC-S)** |
| **Chinese Language and Culture** | No Course<br>Area 3B<br>3 units | Area 3B<br>3 units | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **Computer Science A** | CMPR 121<br>No GE Area<br>3 units | Not Applicable | 3 units<br>(only one Computer Science exam applied to the CSU degree) | 5.3 units<br>(beginning May 2018) | Not Applicable |
| **Computer Science AB** (Discontinued after May 2009) | CMPR 121<br>No GE Area<br>3 units | Not Applicable | 6 units<br>(only one CS exam applied to CSU degree) | Not Applicable | Not Applicable |
| **Computer Science Principles** (Beginning May 2017) | No Course<br>Area 2<br>3 units | Not Applicable | 6 units | 5.3 units | Not Applicable |
| **Economics: Macroeconomics** | ECON 102<br>Area 4B (Plan 1)<br>Area 4 (Plan 3)<br>3 units | Area 4<br>3 units | 3 units | 2.6 units | UC-Social and Behavioral Sciences **(UC-B)** |
| **Economics: Microeconomics** | ECON C2001<br>Area 4B (Plan 1)<br>Area 4 (Plan 3)<br>3 units | Area 4<br>3 units | 3 units | 2.6 units | UC-Social and Behavioral Sciences **(UC-B)** |
| **English: Language/Language and Composition** (% - Future Fall 2027 CSU Note) | ENGL C1000<br>Area 1A<br>4 units | Area 1A<br>3 units | 6 units | 5.3 units<br>(5.3 units maximum credit for both English exams) | UC – English Composition **(UC-E)** |

# 2026-2027 ADVANCED PLACEMENT (AP) GUIDE AND POLICIES

**(Revised 08/21/26_LA)**

| Advanced Placement Exam | SCC GE: Plan 1 & Plan 3<br>Course<br>GE Area<br>Semester Units Awarded | CSU & UC: Cal-GETC<br>Certification GE Area<br>Semester Units [UC NOTE 1] | CSU Minimum<br>Semester Units<br>Earned Towards<br>Transfer [CSU NOTE 2] | UC Minimum<br>Semester Units<br>Earned Towards<br>Transfer [UC NOTE 2] | UC Transfer Admissions Eligibility Areas<br>(Students on the Seven Course Pattern) |
|---|---|---|---|---|---|
| **English: Literature/Literature and Composition**<br>**(% - Future Fall 2027 CSU Note)** | ENGL C1000<br>Area 1A and 3B<br>4 units +<br>(2 units toward degree) | Area 1A or 3B<br>3 units | 6 units | 5.3 units<br>(5.3 units maximum credit for both English exams) | UC-English Composition **(UC-E)**<br>OR<br>UC- Arts and Humanities **(UC-H)** |
| **Environmental Science** Δ | BIOL 259<br>Area 5B (Plan 1)<br>Area 5 (Plan 3)<br>4 units | Area 5A and 5C<br>3 units Δ | 4 units | 2.6 units | UC-Physical and Biological Sciences **(UC-S)** |
| **French Language and Culture**<br>**(Prior to F'11, French Language)** | FREN 101 and 102<br>Area 3B<br>10 units | Area 3B<br>3 units | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **German Language and Culture**<br>**(Prior to Fall 11, German Language)** | No Course<br>Area 3B<br>3 units | Area 3B<br>3 units | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **Geography (Human)** | GEOG 102<br>Area 4B (Plan 1)<br>Area 4 (Plan 3)<br>3 units | Area 4<br>3 units | 3 units | 2.6 units | UC-Social and Behavioral Sciences **(UC-B)** |
| **Government and Politics: Comparative** | POLT 201<br>Area 4 (Plan 3)<br>3 units | Area 4<br>3 units | 3 units | 2.6 units | UC-Social and Behavioral Sciences **(UC-B)** |
| **Government and Politics: United States** ‡<br>**(CSU Partial AI Requirement)** | POLS C1000<br>Area 4A (Plan 1)<br>Area 4 (Plan 3)<br>3 units | Area 4 and<br>CSU AI: US-2<br>3 units | 3 units | 2.6 units | UC-Social and Behavioral Sciences **(UC-B)** |
| **History: European** | HIST 102<br>Area 4B or 3B (Plan 1)<br>Area 4 or 3B (Plan 3)<br>3 units | Area 3B or 4<br>3 units | 6 units | 5.3 units | UC-Social and Behavioral Sciences **(UC-B)**<br>OR<br>UC-Arts and Humanities **(UC-H)** |
| **History: United States** ‡<br>**(CSU Partial AI Requirement)** | HIST C1001 and C1002<br>Area 4A or 3B (Plan 1)<br>Area 4 or 3B (Plan 3)<br>6 units | Area 3B or 4 and<br>CSU AI: US-1<br>3 units | 6 units | 5.3 units | UC-Social and Behavioral Sciences **(UC-B)**<br>OR<br>UC-Arts and Humanities **(UC-H)** |
| **History: World/Modern** | HIST 102<br>Area 4B or 3B (Plan 1)<br>Area 4 or 3B (Plan 3)<br>3 units<br>(6 units before F'19) | Area 3B or 4<br>3 units | 3 units<br>(6 units before F'09) | 5.3 units | UC-Social and Behavioral Sciences **(UC-B)**<br>OR<br>UC-Arts and Humanities **(UC-H)** |
| **Italian Language and Culture** | ITAL 101 and 102<br>Area 3B<br>10 units | Area 3B<br>3 units | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **Japanese Language and Culture** | No Course<br>Area 3B<br>3 units | Area 3B<br>3 units | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **Latin** | No Course<br>Area 3B<br>3 units | Area 3B<br>3 units<br>(Beginning May 2013)) | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **Music Theory** | Pending<br>No GE Area<br>3 units | Not Applicable | 6 units | 5.3 units<br>(CR granted for full Music Theory exam; a Subscore only will not receive exam credit) | UC-Arts and Humanities **(UC-H)** |
| **Physics 1** ∞ **/**<br>**Physics 1: Algebra-Based** | No Course<br>Area 5A (Plan 1)<br>Area 5 (Plan 3)<br>4 units | Area 5A and 5C<br>4 units | 4 units<br>(6 units max for all Physics exams) | 5.3 units<br>(5.3 units maximum credit for all Physics exams) | UC-Physical and Biological Sciences **(UC-S)** |
| **Physics 2** ∞ **/**<br>**Physics 2: Algebra-Based** | No Course<br>Area 5A (Plan 1)<br>Area 5 (Plan 3)<br>4 units | Area 5A and 5C<br>4 units | 4 units<br>(6 units max for all Physics exams) | 5.3 units<br>(5.3 units maximum credit for all Physics exams) | UC-Physical and Biological Sciences **(UC-S)** |
| **Physics C: Electricity and Magnetism** ∞ Δ | PHYS 250B<br>Area 5A (Plan 1)<br>Area 5 (Plan 3)<br>5 units | Area 5A and 5C<br>3 units Δ | 4 units<br>(6 units max for all Physics exams) | 2.6 units<br>(5.3 units maximum credit for all Physics exams) | UC-Physical and Biological Sciences **(UC-S)** |

# 2026-2027 ADVANCED PLACEMENT (AP) GUIDE AND POLICIES

**(Revised 08/21/26_LA)**

| Advanced Placement Exam | SCC GE: Plan 1 & Plan 3 Course GE Area Semester Units Awarded | CSU & UC: Cal-GETC Certification GE Area Semester Units UC NOTE 1 | CSU Minimum Semester Units Earned Towards Transfer CSU NOTE 2 | UC Minimum Semester Units Earned Towards Transfer UC NOTE 2 | UC Transfer Admissions Eligibility Areas (Students on the Seven Course Pattern) |
|---|---|---|---|---|---|
| **Physics C: Mechanics ∞ Δ** | PHYS 250A<br>Area 5A (Plan 1)<br>Area 5 (Plan 3)<br>5 units | Area 5A and 5C<br>3 units Δ | 4 units<br>(6 units max for all Physics exams) | 2.6 units<br>(5.3 units maximum credit for all Physics exams) | UC-Physical and Biological Sciences **(UC-S)** |
| **Pre-Calculus** | No Course<br>Area 2<br>5 units | Not Applicable | 3 units | Not Applicable | Not Applicable |
| **Psychology** | PSYC C1000<br>Area 4B (Plan 1)<br>Area 4 (Plan 3)<br>3 units | Area 4<br>3 units | 3 units | 2.6 units | UC-Social and Behavioral Sciences **(UC-B)** |
| **Research** | Not Applicable | Not Applicable | 3 units | Not Applicable | Not Applicable |
| **Seminar** | Not Applicable | Not Applicable | 3 units | Not Applicable | Not Applicable |
| **Spanish Language and Culture**<br>**(Prior to S'14, Spanish Language)** | SPAN 101 and 102<br>Area 3B<br>10 units | Area 3B<br>3 units | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **Spanish Literature and Culture**<br>**(Prior to S'13, Spanish Literature)** | No Course<br>Area 3B<br>3 units | Area 3B<br>3 units | 6 units | 5.3 units | UC-Arts and Humanities **(UC-H)** |
| **Statistics** | STAT C1000<br>Area 2<br>4 units | Area 2<br>3 units | 3 units | 2.6 units | UC-Mathematical Concepts and Quantitative Reasoning **(UC-M)** |

**Santiago Canyon College Notes:**

Santiago Canyon College grants unit credit for Advanced Placement (AP) Exams with a score of three, four, or five (3, 4, or 5) for local associate general education and Cal-GETC as listed above. Official AP score reports/transcripts must be emailed directly from the College Board to SCC's Admissions & Records Office, admissions@sccollege.edu

It is strongly advised students meet with an SCC counselor, as course credit and units granted for local SCC Associate of Arts or Associate of Science degrees may differ from course credit and units granted by a transfer institution. Credit granted for AP, CLEP, or IB may be used to meet Santiago Canyon College's 12-unit residency requirement for associate degrees. ***It is recommended that students do not enroll in a college course comparable to the AP Exam, as credit limitations may be applied by SCC, CSU, and/or a UC campus.***

**California State University (CSU) Notes:**

Advanced Placement (AP) standardized exams measure how well a student has mastered the content and skills of AP courses. A student must score three or higher on the AP exams to earn college credit. Each campus in the CSU system determines how external examinations will be applied toward credit in the major. For students not already CSU-GE certified, each CSU campus will determine how to apply credit for such exams toward the local degree requirement.

The CSU AP Policy can be found at: https://calstate.policystat.com/policy/20781575/latest/

1. The AP exams listed above may be incorporated into the CSU General Education requirements. All CSU campuses will accept the minimum units shown if the examination is included in full certification; individual campuses may choose to accept more units than those specified towards completion of general education breadth requirements.

2. These units count toward eligibility for admission. The units may not all apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for details.

# 2026-2027 ADVANCED PLACEMENT (AP) GUIDE AND POLICIES

**(Revised 08/21/26_LA)**

**∞** - If a student passes more than one AP Physics exam, only 6 units of credit will apply to the baccalaureate degree and only 4 units may be used for the Cal-GETC certification.

**Δ** - AP Exams Environmental Science, Physics C: Mechanics and Physics C: Electricity/Magnetism – UC applies 3 semester/4 quarter units toward general education area 5A + 5C, therefore, students who complete these exams will be required to complete an additional 4 semester or 5 quarter units to satisfy the minimum required 7 semester or 9 quarter units in Area 5 for Cal-GETC certification.

***% - Effective 5/3/27 due to duplication of units – students that pass both the AP English Language and Composition and AP English Literature and Composition exams, only six units of credit may be applied to the baccalaureate.***

**University of California (UC) Notes**

Student should be advised that college courses taken before or after attending UC may duplicate AP, IB, and/or A-Level examinations. Additionally, exams may duplicate each other (for example, an AP or IB exam in the same subject area). ***If a student does duplicate an exam with another exam of the same subject content, and/or an exam with a college course, we will award credit only once.***

The UC Policy for AP credit can be found at:

https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/

1. Each AP exam may be applied to one Cal-GETC area, as satisfying one course requirement. Exams maybe used regardless of when the exam was taken.
2. The second to last column reflects what the University of California will award per AP exam for admission to any UC campus.

**†** - Students who take the Calculus BC exam and earn a Subscore of 3 or higher on the Calculus AB portion will receive 2.6 semester units for the Calculus AB exam, even if the student did not receive a score of 3 or higher on the Calculus BC examination (note that the maximum credit awarded for both exams is 5.6 semester units).

**Δ** - AP Exams Environmental Science, Physics C: Mechanics and Physics C: Electricity/Magnetism – UC applies 3 semester/4 quarter units toward general education area 5A + 5C, therefore, students who complete these exams will be required to complete an additional 4 semester or 5 quarter units to satisfy the minimum required 7 semester or 9 quarter units in Area 5 for Cal-GETC certification.

**‡** - The AP Government and Politics: United States and History: United States examinations partially fulfill the CSU US History, Constitution, and American Ideals graduation requirement but can be used toward the requirement. (Please note that no AP exam fulfills the California State and Local Government portion, US-3) see a counselor for more information.

**Advisory to Pre-med Students:** Many medical schools do not accept AP credit in lieu of college level course credit to fulfill admissions requirements. Students interested in medical school should consult directly with the medical schools they are considering for information on their credit policies. Students may also want to refer to *www.aamc.org* or *www.aacom.org*.

https://www.savemyexams.com/learning-hub/results-day/do-medical-schools-accept-ap-credit/

# 2026-2027 COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) PLACEMENT GUIDE AND POLICIES

**(Revised 08/21/26-LA)**

| CLEP EXAMINATION | PASSING SCORE | SCC Plan 1 and Plan 3 GE AREA SEMESTER UNITS AWARDED | SCC AA/AS SEMESTER UNITS AWARDED | CSU Minimum Units Earned Towards Transfer CSU NOTE 2 |
|---|---|---|---|---|
| **American Government** | 50 | Area 4<br>3 units | 3 units | 3 units |
| **American Literature** | 50 | Area 3B<br>3 units | 3 units | 3 units |
| **Analyzing and Interpreting Literature** | 50 | Area 3B<br>3 units | 3 units | 3 units |
| **Biology** | 50 | Area 5 – Plan 1<br>Area 5B – Plan 3<br>3 units | 3 units | 3 units |
| **Calculus** | 50 | Area 2<br>3 units | 3 units | 3 units |
| **Chemistry** | 50 | Area 5 – Plan 1<br>Araa 5A – Plan 3<br>3 units | 3 units | 3 units |
| **College Algebra** | 50 | Area 2<br>3 units | 3 units | 3 units |
| **College Algebra-Trigonometry** | 50 | Area 2<br>3 units | 3 units | 3 units |
| **College Composition/College Composition-Modular** | 50 | Not Applicable<br>0 units | 0 units | 0 units |
| **College Mathematics** | 50 | Not Applicable<br>0 units | 0 units | 0 units |
| **English Composition -No Essay/English Composition – with Essay** | 50 | Not Applicable<br>0 units | 0 units | 0 units |
| **English Literature** | 50 | Area 3B<br>3 units | 3 units | 3 units<br>(prior to Fall 2011) |
| **Financial Accounting** | 50 | Not Applicable<br>0 units | 0 units | 3 units |
| **French Level I** † | 50 | Not Applicable<br>0 units | 0 units | 6 units<br>(Beginning May 2010) |
| **French Level II** † | 59 | Area 3B<br>3 units | 9 units | 9 units<br>(12 units prior to Fall 2015) |
| **Freshman College Composition** | 50 | Not Applicable<br>0 units | 0 units | 0 units |
| **German Level I** † | 50 | Not Applicable<br>0 units | 0 units | 6 units |
| **German Level II**† | 60 | Area 3B<br>3 units | 9 units | 9 units<br>(12 units prior to Fall 2015) |
| **History, United States I** Δ<br>**(Partially fulfills CSU AI requirement: US1)** | 50 | Area 4<br>3 units | 3 units | 3 units |

# 2026-2027 COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) PLACEMENT GUIDE AND POLICIES

**(Revised 08/21/26-LA)**

| CLEP EXAMINATION | PASSING SCORE | SCC Plan 1 and Plan 3 GE AREA SEMESTER UNITS AWARDED | SCC AA/AS SEMESTER UNITS AWARDED | CSU Minimum Units Earned Towards Transfer CSU NOTE 2 |
|---|---|---|---|---|
| **History, United States II Δ (Partially fulfills CSU AI requirement: US 1)** | 50 | Area 4A – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | 3 units |
| **Human Growth & Development** | 50 | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | 3 units |
| **Humanities** | 50 | Area 3B<br>3 units | 3 units | 3 units |
| **Information Systems and Computer Applications** | 50 | Not Applicable<br>0 units | 0 units | 3 units |
| **Introduction to Educational Psychology** | 50 | Not Applicable<br>0 units | 0 units | 3 units |
| **Introductory Business Law** | 50 | Not Applicable<br>0 units | 0 units | 3 units |
| **Introductory Psychology** | 50 | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | 3 units |
| **Introductory Sociology** | 50 | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | 3 units |
| **Natural Sciences** | 50 | Area 5 – Plan 1<br>Area 5A or 5B – Plan 3<br>3 units | 3 units | 3 units |
| **PreCalculus** | 50 | Area 2<br>3 units | 3 units | 3 units |
| **Principles of Accounting** | 50 | Not Applicable<br>0 units | 0 units | 3 units |
| **Principles of Macroeconomics** | 50 | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | 3 units |
| **Principles of Management** | 50 | Not Applicable<br>0 units | 0 units | 3 units |
| **Principles of Marketing** | 50 | Not Applicable<br>0 units | 0 units | 3 units |
| **Principles of Microeconomics** | 50 | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | 3 units |
| **Social Sciences and History** | 50 | Not Applicable<br>0 units | 0 units | 0 units |
| **Spanish Level I †** | 50 | Not Applicable<br>0 units | 0 units | 6 units |
| **Spanish Level II †** | 63 | Area 3B<br>3 units | 9 units | 9 units<br>(12 units prior to Fall 2015) |
| **Spanish with Writing Level I** | 50 | Not Applicable<br>0 units | 6 units | 6 units |

## 2026-2027 COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) PLACEMENT GUIDE AND POLICIES

**(Revised 08/21/26-LA)**

| CLEP EXAMINATION | PASSING SCORE | SCC Plan 1 and Plan 3 GE AREA SEMESTER UNITS AWARDED | SCC AA/AS SEMESTER UNITS AWARDED | CSU Minimum Units Earned Towards Transfer CSU NOTE 2 |
|---|---|---|---|---|
| **Spanish with Writing Level II (Effective Fall 2019)** | 63 | Area 3B<br>3 units | 9 units | 9 units<br>(beginning May 2027, score must be 65) |
| **Trigonometry (Prior to Fall 2006)** | 50 | Area 2<br>3 units | 3 units | 3 units |
| **Western Civilization I** | 50 | Area 3B or 4B – Plan 1<br>Area 3B or 4 – Plan 3<br>3 units | 3 units | 3 units |
| **Western Civilization II** | 50 | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | 3 units |

**Santiago Canyon College CLEP Policies:**

Santiago Canyon College grants unit credit for College Level Examination Program (CLEP) Exams with the scores outline in the guide. Official CLEP score reports/transcript must be emailed directly from College Board (https://clep.collegeboard.org/scores ) to SCC's Admissions & Records Office, admissions@sccollege.edu

It is strongly advised students meet with an SCC counselor, as course credit and units granted for local SCC Associate of Arts or Associate of Science degrees may differ from course credit and units granted by a transfer institution. Credit granted for AP, CLEP, or IB may be used to meet Santiago Canyon College 12-unit residency requirement for the associate degrees. ***It is recommended not to enroll in a college course comparable to a CLEP Exam as credit limitation may be applied by SCC or the CSU system. UC does not grant credit for CLEP exams.***

**California State University (CSU) CLEP Policies:**

The CSU Minimum Semester Admission unit column reflects what each campus system-wide will minimally accept toward CSU admission.

The CSU Systemwide Credit for External Examination Website: https://calstate.policystat.com/policy/20781575/latest/

† - If a student passes more than one CLEP exam in the same language other than English (e.g., two exams in French), then only one examination may be applied to the SCC Associate degree or CSU baccalaureate degree. For each of these tests, a passing score of 50 earns 6 units of admission credit.

Δ - This History US I and History US 2 CLEP exams partially fulfills the CSU American Institutions graduation requirement but can be used toward the CSU US1 requirement.

**University of California (UC) CLEP Policies:**

The UC currently does not accept CLEP examinations.

# 2026-2027 INTERNATIONAL BACCALAUREATE (IB) EXAMINATION GUIDE AND POLICIES

**NOTE: Actual IB transfer credit (including possible differences in units to be awarded beyond those used for Cal-GETC certification) awarded at admission is determined by the CSU and UC. Designated IB Higher Level exams passed with scores of 5 or higher can be used to meet portions of the seven-course pattern for transfer students not following Cal-GETC, but not the English composition requirements. (Revised_8/21/26_LA)**

| INTERNATIONAL BACCALAUREATE (IB) EXAMINATION | SCC PLAN 1 and PLAN 3 GE AREA SEMESTER UNITS AWARDED | SCC MINIMUM AA/AS SEMESTER UNITS AWARDED | CSU & UC Cal-GETC CERTIFICATION GE AREA UNITS AWARDED CSU & UC NOTE 1 | CSU MINIMUM TRANSFER ADMISSION SEMESTER UNITS AWARDED CSU NOTE 2 | UC MINIMUM TRANSFER ADMISSION SEMESTER UNITS AWARDED UC NOTE 2 |
|---|---|---|---|---|---|
| **IB ANTHROPOLGY, SOCIAL AND CULTURAL HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 5.3 units |
| **IB BIOLOGY HL** | Area 5 – Plan 1<br>Area 5A – Plan 3<br>3 units | 3 units | Area 5B (No Lab)<br>3 units | 6 units | 5.3 units |
| **IB BUSINESS MANAGEMENT HL** *(Beginning Fall 2026)* | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 5.3 units |
| **IB CHEMISTRY HL** | Area 5 – Plan 1<br>Area 5A – Plan 3<br>3 units | 3 units | Area 5A (No Lab)<br>3 units | 6 units | 5.3 units |
| **IB COMPUTER SCIENE HL** *(Beginning Fall 2026)* | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 5.3 units |
| **IB DESIGN TEHCNNOLOGY HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 0 units |
| **IB DANCE HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 0 units |
| **HL DIGITAL SOCIETY HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 0 units |
| **IB ECONOMICS HL** | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | Area 4<br>3 units | 6 units | 5.3 units |
| **IB ENVIORNMENTAL SYSTEMS AND SOCIETIES HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 0 units |
| **IB FILM HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 0 units |
| **IB GEOGRAPHY HL** | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | Area 4<br>3 units | 6 units | 5.3 units |
| **IB GLOBAL POLITICS HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 3 units | 0 units |
| **IB HISTORY (ANY REGION&) HL** | Area 3B or 4B – Plan 1<br>Area 3B or 4 – Plan 3<br>3 units | 3 units | Area 3B or 4<br>3 units | 6 units | 5.3 units |
| **IB LANGUAGE A: LITERATURE HL** ∞ *(Any Language, except English)* | Area 3B<br>3 units | 3 units | Area 3B<br>3 units | 6 units Δ | 5.3 units |
| **IB LANGUAGE A: LANG. & LITERATURE HL** ∞ *(Any Language, except English)* | Area 3B<br>3 units | 3 units | Area 3B<br>3 units | 6 units Δ | 5.3 units |
| **IB LANGUAGE A/A1: LITERATURE HL** ∞ *(Any Language) (CSU: Prior to Fall 2013)* | Area 3B<br>3 units | 3 units | Area 3B<br>3 units | 6 units Δ | 5.3 units |
| **IB LANGUAGE A/A2: LANGUAGE & LITERATURE HL** ∞ *(Any Language) (CSU: Prior to Fall 2013)* | Area 3B<br>3 units | 3 units | Area 3B<br>3 units | 6 units Δ | 5.3 units |
| **IB LANGUAGE B HL** ∞ *(Any Language)* | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units Δ | 5.3 units |
| **IB MATHEMATICS HL** *(CSU: Prior to Fall 2022)* *(UC: Prior to Fall 2020)* | Area 2<br>3 units | 3 units | Area 2<br>3 units | 6 units Δ | 5.3 units |
| **IB MATHEMATICS HL: ANALYSIS & APPROACHES@** (May 2027) *(Beginning Fall 2021)* | Area 2<br>3 units | 3 units | Area 2<br>3 units | 6 units Δ | 5.3 units |

# 2026-2027 INTERNATIONAL BACCALAUREATE (IB) EXAMINATION GUIDE AND POLICIES

**NOTE: Actual IB transfer credit (including possible differences in units to be awarded beyond those used for Cal-GETC certification) awarded at admission is determined by the CSU and UC. Designated IB Higher Level exams passed with scores of 5 or higher can be used to meet portions of the seven-course pattern for transfer students not following Cal-GETC, but not the English composition requirements. (Revised_8/21/26_LA)**

| INTERNATIONAL BACCALAUREATE (IB) EXAMINATION | SCC PLAN 1 and PLAN 3 GE AREA SEMESTER UNITS AWARDED | SCC MINIMUM AA/AS SEMESTER UNITS AWARDED | CSU & UC Cal-GETC CERTIFICATION GE AREA UNITS AWARDED CSU & UC NOTE 1 | CSU MINIMUM TRANSFER ADMISSION SEMESTER UNITS AWARDED CSU NOTE 2 | UC MINIMUM TRANSFER ADMISSION SEMESTER UNITS AWARDED UC NOTE 2 |
|---|---|---|---|---|---|
| **IB MATHEMATICS HL: APPLICATIONS & INTERPRETATION@ (MAY 2027)** *(UC: No credit for exams Fall 2021 and later)* | Area 2<br>3 units | 3 units | Area 2<br>3 units<br>*(may not be at all UC)* | 6 units Δ | 5.3 units<br>*(may not be at all UC)* |
| **IB MUSIC HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 5.3 units |
| **IB PHILOSOPHY HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 5.3 units |
| **IB PHYSICS HL** | Area 5 – Plan 1<br>Area 5A – Plan 3<br>3 units | 3 units | Area 5A (No Lab)<br>3 units | 6 units | 5.3 units |
| **IB PSYCHOLOGY HL** | Area 4B – Plan 1<br>Area 4 – Plan 3<br>3 units | 3 units | Area 4<br>3 units | 3 units | 5.3 units |
| **IB SPORTS, EXERCISE AND HEALTH SCIENCE HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 0 units |
| **IB THEATRE HL** | Area 3A or 3B<br>3 units | 3 units | Area 3A<br>3 units | 6 units Δ | 5.3 units |
| **IB VISUAL ARTS HL** | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 5.3 units |
| **IB WORLD RELIGIONS HL** *(Beginning Fall 2026)* | Not Applicable<br>0 units | 0 units | Not Applicable<br>0 units | 6 units | 0 units |

**Santiago Canyon College Notes:**

Santiago Canyon College grants unit credit for International Baccalaureate (IB) Exams with the scores outlined in the guide. Official IB score reports/transcripts must be emailed directly from the International Baccalaureate organization (https://www.ibo.org/programmes/diploma-programme/assessment-and-exams/getting-results/ ) to SCC's Admissions & Records Office, admissions@sccollege.edu

It is strongly advised students meet with an SCC counselor, as course credit and units granted for local SCC Associate of Arts or Associate of Science degrees may differ from course credit and units granted by a transfer institution. Credit granted for AP, CLEP, or IB cannot be used to meet Santiago Canyon College's 12-unit residency requirement for Associate degrees. ***It is recommended that students do not enroll in a college course comparable to an IB Exam, as credit limitations may be applied by SCC, CSU, or a UC Campus.***

**California State University (CSU) Notes:**

1. The IB exams listed above may be used to fulfill the CSU General Education requirements for certification. All CSU campuses will accept the minimum units shown if the examination is included in full certification; individual CSU campuses may accept more units than those specified for completing general education requirements.
2. The column reflects the CSU system-wide minimum units awarded per exam for CSU admission eligibility. Some CSU campuses may award more than the minimum listed in the column; consult each CSU catalog for further information.

**∞** - The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.

If a student passes more than one CLEP test in the same language other than English (e.g., two exams in French), then only one examination may be applied to the baccalaureate. For each test in a language other than English, a passing score of 50 is considered "Level I" and earns six units of baccalaureate credit; the higher score listed for each test is considered "Level II" and earns additional units of credit and placement in Area C2 of GE Breadth, as noted.

# 2026-2027 INTERNATIONAL BACCALAUREATE (IB) EXAMINATION GUIDE AND POLICIES

**NOTE: Actual IB transfer credit (including possible differences in units to be awarded beyond those used for Cal-GETC certification) awarded at admission is determined by the CSU and UC. Designated IB Higher Level exams passed with scores of 5 or higher can be used to meet portions of the seven-course pattern for transfer students not following Cal-GETC, but not the English composition requirements. (Revised_8/21/26_LA)**

**Δ** - CSU accepts a score of 4 or higher for each of these exams.
**@** - If a student passes more than one IB exam in mathematics or computer science, credit for only one exam may be applied to the baccalaureate, effective May 2027.
**&** - IB History (any region) HL includes: History of: Aisa, the Americas, Southeast Asia & Oceania, Eourpe & The Islamic World, Europe & The Middle East, and World History (20th Century).

**University of California (UC) Notes:**

1. The column lists how each IB exam may be applied to one Cal-GETC area as satisfying one-course requirement. Exams may be used regardless of when the exam was taken.
2. This column reflects the University of California system-wide minimum units awarded per IB exam for UC admissions eligibility.

**&** - IB History (any region) HL includes: History of: Aisa, the Americas, Southeast Asia & Oceania, Eourpe & The Islamic World, Europe & The Middle East, and World History (20th Century).

The International Baccalaureate (IB) Organization awards a diploma or a certificate for individual IB exams. UC awards students who complete the IB diploma with a score of 30 or above with 6 quarter (4 semester) units toward their UC degree, in addition to the units earned for individual Higher-Level exams (usually 24 quarter/16 semester units). Students who receive IB certificates with scores of 5, 6 or 7 on Higher-Level exams will receive 8 quarter (5.3 semester) units per exam.

Designated IB Higher Level exams passed with scores of 5 or higher can be used to meet portions of the seven-course pattern for transfer students, but not the English composition requirements.

Designated examinations are awarded elective units which may be applied to UC graduation requirements for specific subjects and/or for general education/breadth requirements, as determined by each campus.

The units granted for IB exams are not counted toward the maximum number of credits required for declaration of a major or the maximum number of units a student may accumulate prior to graduation. Students who enter the UC with IB credit do not have to declare a major earlier than other students, nor are they required to graduate earlier.

- The UC Policy for IB credit:
  https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ib-credits.html

- The CSU system-wide minimums policy, CSU Systemwide Credit for External Examinations governing the use of these and other IB exams for awarding general education credit
  https://calstate.policystat.com/policy/17947386/latest

# SCC ACADEMIC PROGRAMS

Departments are listed alphabetically as identified with a program heading. Faculty contact, program information, awards and courses are listed under each program.ASSOCIATE DEGREES AND CERTIFICATESSantiago Canyon College offers a variety of traditional degrees and certificates. Associate degrees are programs of study within a specific major and require general education. Certificates of achievement are programs of study in a particular academic or occupational area and exclude general education. All degrees and certificates of achievement have a State-approved program control number in parentheses which will appear on student transcripts. Certificates of proficiency are specialized vocational areas, excluding general education, which do not appear on student transcripts. Programs which lead to transfer to universities and four-year colleges do not necessarily reflect the transfer requirements of specific schools. In planning a program for transfer, it should be noted that the transfer requirements for both the major and general education vary widely. Hence it is recommended that the student review the catalog of the school of transfer and consult with the counseling staff at Santiago Canyon College in planning transfer objectives.ASSOCIATE DEGREES FOR TRANSFERCalifornia Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses. Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. To view the most current list of Santiago Canyon College's Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to **www.sccollege.edu/transferdegrees**.

Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

## COURSE DESCRIPTIONS

Course descriptions include the course discipline, number, title, units, class hours, requisites, and any applicable additional information such as cross-listings, C-ID, field trips, material fees, open-entry/open-exit, pass/no pass, repeatability, transferability, and credit by exam.

**Course Number**

**100-299:** Courses numbered 100-299 are transferable to California State University (CSU) or the University of California (UC) and are applicable to the associate degree. See Transferability of Courses on page 46 for additional information.

**Honors:** Courses numbered 100 and above followed by the letter "H" are offered as part of the Santiago Canyon College Honors Program.

**001-099:** Courses numbered 001-099 are not transferable to California State University (CSU) or the University of California (UC). They are applicable to the associate degree unless the course number is preceded by the letter "N".

**N01-N99:** Courses numbered N01-N99 are not transferable to California State University (CSU) or the University of California (UC) and are not applicable to the associate degree. These courses count toward the course load.

*The college reserves the right to cancel scheduled classes.*

**California State University (CSU) or University of California (CSU/UC):** Identifies courses that are transferable to California State University (CSU) or University of California (UC). A credit limitation may exist for some courses that transfer to UC. See page 46 for additional information. Course Identification Numbering System (C-ID): Identifies a lower-division, transferable course commonly articulated between California Community Colleges and four-year universities.

# COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent of 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 numbers. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example, COMM 110, students at that college can be assured that it will be

pted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID gnation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

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.

Students may consult the C-ID course database at https://c-id.net/courses for specific information on C-ID course designations.Santiago Canyon College counselors can always help students interpret or explain this information.

**Course Identification Number - SCC Course**

ACCT 110 - ACCT 101, Financial Accounting
ACCT 120 - ACCT 102, Managerial Accounting
AJ 110 - CJ 101, Introduction to Criminal Justice
AJ 120 - CJ 115, Introduction to Criminal Law
AJ 124 - CJ 116, Legal Aspects of Evidence
AJ 160 - CJ111, Community Relations and Policing
AJ 200 - CJ 112, Introduction to Corrections and Probation
AJ 220 - CJ 113, Juvenile Procedures: Delinquency and Control
ANTH 110 - ANTH 101, Introduction to Physical Anthropology
ANTH 120 - ANTH 100, Introduction to Cultural Anthropology
ANTH 120 - ANTH 100H, Honors Introduction to Cultural Anthropology
ANTH 130 - ANTH 104, Language and Culture
ANTH 150 - ANTH 103, Introduction to Archaeology
ARTH 100 - ART 100, Introduction to Art Concepts
ARTH 100 - ART 100H, Honors Introduction to Art Concepts
ARTH 110 - ART 101, Survey of Western Art History I: Prehistory Through the Middle Ages
ARTH 110 - ART 101H, Honors Survey of Western Art History I: Prehistory Through the Middle Ages
ARTH 120 - ART 102, Survey of Western Art History II: Renaissance Through the Twentieth Century
ARTH 120 - ART 102H, Honor Survey of Western Art History II: Renaissance Through the Twentieth Century
ARTS 100 - ART 110, Two-Dimensional Design
ARTS 101 - ART 111, Three-Dimensional Design
ARTS 110 - ART 130 Introduction to Drawing
ARTS 200 - ART 131, Beginning Life Drawing

**Course Identification Number - SCC Course**

ARTS 205 - ART 230, Intermediate Drawing
ARTS 210 - ART 141, Beginning Painting
ARTS 250 - ART 195, Introduction to Digital Media Arts
BIOL 110B - BIOL 239, General Human Anatomy
BIOL 120B - BIOL 249, Human Physiology
BIOL 130S - BIOL 221 + BIOL 231, Animal Diversity and Evolution + Plant Diversity and Ecology
BIOL 190 - BIOL 211, Cellular and Molecular Biology
BIOT 101 BX - BIOL 190 + BIOL 190L, Introduction to Biotechnology + Introduction to Biotechnology Lab
BIOT 210 X - BIOL 194, Quality and Regulatory Compliance in Biosciences
BIOT 220 X - BIOL 192, Biotech B: Proteins
BUS 110 - BUS 100, Fundamentals of Business
BUS 115 - BUS 222, Business Writing
BUS 120 - BUS 105, Legal Environment of Business
BUS 140 - BUS 150, Introduction to Information Systems and Applications
CDEV 100 - APCD 107, Apprenticeship Child Growth and Development(DS1)
CDEV 100 - CDEV 107, Child Growth and Development (DS1)
CDEV 100 - PSYC 157, Introduction to Child Psychology
CDEV 110 - APCD 110, Apprenticeship - Child, Family, and Community (DS2)
CDEV 110 - CDEV 110, Child, Family, and Community (DS2)
CHEM 101 - CHEM 100, Introductory Chemistry
CHEM 110 - CHEM 200A, General Chemistry
CHEM 110 - CHEM 200AH, Honors General Chemistry
CHEM 120S - CHEM 200A + CHEM 200B, General Chemistry + General Chemistry and Qualitative Analysis
CHEM 120S - CHEM 200AH + CHEM 200B, Honors General Chemistry + General Chemistry and Qualitative Analysis
CHEM 150 - CHEM 280A, Organic Chemistry I
CHEM 160S - CHEM 280A + CHEM 280B, Organic Chemistry I + Organic Chemistry II
COMM 110 - COMM C1000, Introduction to Public Speaking
COMM 120 - COMM 111, Argumentation and Debate
COMM 130 - COMM 100, Introduction to Interpersonal Communication
COMM 130 - COMM 100H, Honors Introduction to Interpersonal Communication
COMM 140 - COMM 101, Group Dynamics
COMM 150 - COMM 120, Introduction to Intercultural Communication
COMM 150 - COMM 120H, Honors Introduction to Intercultural Communication
COMM 160B - COMM 130, Forensics Team
COMM 160B - COMM 230, Advanced Forensics Team
COMM 170 - COMM 134, Oral Interpretation
COMP 112 - CMPR 120, Introduction to Programming
COMP 122 - CMPR 121, Programming Concepts
COMP 122 - CMPR 122, Programming Concepts and Methodology I
COMP 132 - CMPR 131, Data Structure Concepts
COMP 132 - CMPR 132, Programming Concepts and Methodology II
COMP 142 - CMPR 154, Computer Architecture and Organization

# COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

**Course Identification Number - SCC Course**

COMP 152 - CMPR 149, Discrete Structures for Computer Science
COMP 152 - MATH 270, Discrete Mathematics
ECE 120 - APCD 111A, Apprenticeship -Principles and Practices
ECE 120 - CDEV 111A, Principles and Practices of Teaching Young
ECE 130 - APCD 111B, Apprenticeship - Introduction to Curriculum for Young Children
ECE 130 - CDEV 111B, Introduction to Curriculum for Young
ECE 200 - APCD 108, Apprenticeship - Observation and Assessment
ECE 200 - CDEV 108, Observation and Assessment for Early Learning and Development (DS3)
ECE 210 - APCD 298A, Apprenticeship - Practicum in Early Childhood Programs
ECE 210 - CDEV 298A, Practicum in Early Childhood Programs
ECE 220 - CDEV 112, Health, Safety and Nutrition for Children
ECE 230 - APCD 221, Apprenticeship - Living and Teaching in a Diverse Society
ECE 230 - CDEV 221, Teaching in a Diverse Society
ECE 230 - CDEV 221, Teaching in a Diverse Society
ECON 201 - ECON 101, Principles / Micro
ECON 202 - ECON 102, Principles / Macro
EDUC 200 - EDUC 200, Introduction to Elementary Classroom Teaching
ENGL 100 - ENGL 100, Freshman Composition with Integrated Support
ENGL 100 - ENGL C1000, Academic Reading and Writing
ENGL 100 - ENGL C1000H, Academic Reading and Writing Honors
ENGL 105 - ENGL C1001, Critical Thinking and Writing
ENGL 105 - ENGL C1001H, Critical Thinking and Writing Honors
ENGL 110 - ENGL 102, Literature and Composition
ENGL 110 - ENGL 102H, Honors Literature and Composition
ENGL 120 - ENGL 102, Literature and Composition
ENGL 120 - ENGL 102H, Honors Literature and Composition
ENGL 130 - ENGL 241, Survey of American Literature, 1600-1865
ENGL 135 - ENGL 242, Survey of American Literature, 1865-Present
ENGL 140 - ENGL 271, Survey of World Literature I
ENGL 145 - ENGL 272, Survey of World Literature II
ENGL 160 - ENGL 231, Survey of English Literature I
ENGL 165 - ENGL 232, Survey of English Literature II
ENGL 180 - ENGL 270, Children's Literature
ENGL 200 - ENGL 213, Creative Writing
ENGR 130 - ENGR 220, Statics
ENGR 180 - SURV 118 + SURV 119, Plan Surveying + Advanced Plane Surveying
ENGR 230 - ENGR 225, Dynamics
ENGR 200 - ENGR 200, Computational Methods in MATLAB
ENGR 260 - ENGR 230, Network Analysis
ENGR 260L - ENGR 230, Network Analysis
GEOG 110 - GEOG 101, Physical Geography
GEOG 111 - GEOG 101L, Physical Geography Laboratory
GEOG 120 - GEOG 102, Cultural Geography
GEOG 120 - GEOG 102H, Honors Cultural Geograph

**Course Identification Number - SCC Course**

GEOG 125 - GEOG 100, World Regional Geography
GEOG 125 - GEOG 100H, Honors World Regional Geography
GEOG 130 - GEOG 130, Introduction to Weather and Climate
GEOG 130 - GEOG 130H, Honors Introduction to Weather and Climate
GEOG 140 - GEOG 140, California Geography
GEOG 150 - GEOG 150, Map Interpretation and Analysis
GEOG 155 - GEOG 155, Introduction to Geographic Information Systems
GEOG 155 - SURV 155, Introduction to Geographic Systems
GEOG 160 - GEOG 160, Regional Field Studies
GEOL 100 - ERTH 100, Physical Geology
GEOL 100L - ERTH 100L, Physical Geology Laboratory
GEOL 111 - ERTH 111, Historical Geology
GEOL 120 - ERTH 120, Earth Sciences
GEOL 121 - ERTH 121, Earth Sciences for Educators
GEOL 130 - ERTH 130, Environmental Geology
GEOL 200 - ERTH 200, Geology of California
HIST 130 - HIST 120, The United States to 1877
HIST 130 - HIST 120H, Honors The United States to 1877
HIST 140 - HIST 121, The United States Since 1865
HIST 140 - HIST 121H, Honors The United States Since 1865
HIST 150 - HIST 101, World Civilization to the 16th Century
HIST 150 - HIST 101H, Honors World Civilization to the 16th Century
HIST 160 - HIST 102, World Civilizations Since the 16th Century
HIST 160 - HIST 102H, Honors World Civilizations Since the 16th Century
JOUR 100 - CINE 105, Mass Media and Society
KIN 100 - KIN 100, Introduction to Kinesiology
KIN 101 - KIN 101, First Aid and CPR
MATH 110 - STAT C1000, Introduction to Statistics
MATH 110 - STAT C1000H, Introduction to Statistics Honors
MATH 110 - STAT C1000E, Introduction to Statistics Embedded Support
MATH 120 - MATH 203, Fundamental Concepts of Elementary Mathematics
MATH 140 - MATH 150, Calculus for Biological, Management and Social Sciences
MATH 210 - MATH 180, Single Variable Calculus I
MATH 210 - MATH 180H, Honors Single Variable Calculus I
MATH 220 - MATH 185, Single Variable Calculus II
MATH 230 - MATH 280, Intermediate Calculus
MATH 240 - MATH 295, Differential Equations
MATH 250 - MATH 290, Linear Algebra
MATH 900S - MATH 180 + MATH 185, Single Variable Calculus I and Single Variable Calculus II
MATH 900S - MATH 180H + MATH 185, Honors Single Variable Calculus I and Single Variable Calculus II
MATH 910S - MATH 287, Introduction to Linear Algebra and Differential Equations
MATH 910S - MATH 290 + MATH 295, Linear Algebra + Differential Equations
MUS 100 - MUS 101, Music Appreciation
MUS 100 - MUS 101H, Honors Music Appreciation

# COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

**Course Identification Number - SCC Course**

MUS 120 - MUS 111, Music Theory and Musicianship I
MUS 125 - MUS 111, Music Theory and Musicianship I
MUS 130 - MUS 112, Music Theory and Musicianship II
MUS 135 - MUS 112, Music Theory and Musicianship II
MUS 140 - MUS 213, Music Theory III
MUS 145 - MUS 114A, Musicianship III
MUS 150 - MUS 214, Music Theory IV
MUS 155 - MUS 114B, Musicianship IV
MUS 160 - MUS 160B, Applied Music (Private Instruction)
MUS 160 - MUS 160C, Applied Music (Private Instruction)
MUS 160 - MUS 160D, Applied Music (Private Instruction)
MUS 170 - MUS 161, Class Piano I
MUS 171 - MUS 162, Class Piano II
NUTR 110 - NUTR 115, Nutrition
PH 100 - KIN 104, Healthful Living
PHIL 100 - PHIL 106, Introduction to Philosophy
PHIL 100 - PHIL 106H, Honors Introduction to Philosophy
PHIL 110 - PHIL 111, Introductory Logic
PHIL 120 - PHIL 108, Ethics
PHS 100 - KIN 104, Healthful Living
PHYS 100S - PHYS 150A + PHYS 150B, Introductory Physics I + Introductory Physics II
PHYS 105 - PHYS 150A, Introductory Physics I
PHYS 110 - PHYS 150B, Introductory Physics II
PHYS 140 - PSC 100, Survey of Chemistry and Physics
PHYS 200S - PHYS 250A + PHYS 250B + PHYS 250C, Physics for Scientists and Engineers I + Physics for Scientists and Engineers II + Physics for Scientists and Engineers III
PHYS 205 - PHYS 250A, Physics for Scientists and Engineers I
PHYS 210 - PHYS 250B, Physics for Scientists and Engineers II
PHYS 215 - PHYS 250C, Physics for Scientists and Engineers III
POLS 110 - POLS C1000, American Government and Politics
POLS 110 - POLS C1000H, American Government and Politics Honors
POLS 120 - POLT 230, Political Theory
POLS 130 - POLT 201, Introduction to Comparative Politics
POLS 140 - POLT 220, International Politics
POLS 150 - POLT 110, Introduction to Political Science
PSY 110 - PSYC C1000, Introduction to Psychology
PSY 110 - PSYC C1000H, Introduction to Psychology Honors
PSY 115 - PSYC 230, Psychology and Effective Behavior
PSY 120 - PSYC 250, Introduction to Abnormal Psychology
PSYC 130 - PSYC 190, Psychology of Human Sexuality
PSY 150 - PSYC 200, Introduction to Biological Psychology
PSY 170 - PSYC 240, Introduction to Social Psychology
PSY 170 - SOC 240, Introduction to Social Psychology
PSY 170 - SOC 240H, Honors Introduction to Social Psychology
PSY 180 - PSYC 160, Introduction to Lifespan
PSY 200 - PSYC 220, Introduction to Research Methods Psychology
PSY 205B - PSYC 220, Introduction to Research Methods Psychology

**Course Identification Number - SCC Course**

SJS 110 - ETHN 101, Introduction into Ethnic Studies
SJS 120 - GSWS 101, Introduction to Women's Studies
SJS 130 - SOC 286, Introduction to LGBTQ Studies
SOCI 110 - SOC 100, Introduction to Sociology
SOCI 110 - SOC 100H, Honors Introduction to Sociology
SOCI 115 - SOC 116, Social Problems
SOCI 120 - SOC 120, Introduction to Sociological Research Methods
SOCI 125 - SOC 125, Introduction to Statistics in Sociology
SOCI 125 - SOC 125H, Honors Introduction to Statistics in Sociology
SOCI 130 - SOC 130, Relationships, Marriages, and Family Dynamics
SOCI 140 - SOC 220, Introduction to Gender and Sexualities
SOCI 150 - SOC 150, Introduction to Race and Ethnicity
SOCI 160 - SOC 160, Introduction to Criminology
SPAN 100 - SPAN 101, Elementary Spanish I
SPAN 100 - SPAN 101H, Honors Elementary Spanish I
SPAN 100 - SPAN 101A, Elementary Spanish 1A + SPAN 101B, Elementary Spanish 1B
SPAN 110 - SPAN 102, Elementary Spanish II
SPAN 200 - SPAN 201, Intermediate Spanish I
SPAN 210 - SPAN 202, Intermediate Spanish II
SPAN 220 - SPAN 110, Spanish for Spanish Speakers I
SPAN 230 - SPAN 111, Spanish for Spanish Speakers 2
SWHS 110 - CNSL 150, Introduction to Social Work and Human Services
SWHS 120A - CNSL 160A, The Helping Profession Seminar
SWHS 120B - CNSL 160B, Fieldwork Experience for the Helping Professions
THTR 111 - THEA 100, Introduction to Theatre
THTR 112 - THEA 100, Introduction to Theatre
THTR 152 - THEA 111, Intermediate Acting
THTR 191 - THEA 180A Rehearsal and Performance: Drama-Minor/ Supporting Role
THTR 191 - THEA 180B, Rehearsal and Performance: Drama-Leading Role
THTR 191 - THEA 181A, Rehearsal and Performance: Comedy-Minor/ Supporting Role
THTR 191 - THEA 181B, Rehearsal and Performance: Comedy-Leading Role
THTR 191 - THEA 182A, Rehearsal and Performance: One-Act Plays
THTR 191 - THEA 182B, Rehearsal and Performance: Original One-Act Plays
THTR 191 - THEA 183A, Rehearsal and Performance: Musical-Minor/ Supporting Role
THTR 191 - THEA 183B, Rehearsal and Performance: Musical-Leading Role
THTR 192 - THEA 186A, Beginning Technical Theatre Production
THTR 192 - THEA 186B, Intermediate Technical Theatre Production
THTR 192 - THEA 186C, Advanced Technical Theatre Production
WWTR 100 X - WATR 137, Water Mathematics and Hydraulics
WWTR 110 X - WATR 151, Wastewater Treatment
WWTR 120 X - WATR 252, Advanced Wastewater Treatment
WWTR 130X - WATR 141, Water Distribution
WWTR 140 X - WATR 242, Advanced Water Distribution
WWTR 160 X - WATR 247, Advanced Water Treatment

# FORMER COURSE TITLES

COMMC1000, Public Speaking (formerly COMM110, Public Speaking)

STATC1000, Introduction to Statistics (formerly MATH219, Statistics and Probability)

STATC1000E, Introduction to Statistics (formerly MATH 219S, Statistics and Probability with Support)

STATC1000H, Introduction to Statistics - Honors (formerly MATH 219H, Honors Statistics and Probability)

POLSC1000, American Government and Politics (formerly POLT101, American Government and Politics)

POLSC1000H, American Government and Politics - Honors (formerly POLT101H, Honors American Government and Politics

ENGLC1000, Academic Reading and Writing (formerly ENGL101, Freshman Composition)

ENGLC1000H, Academic Reading and Writing - Honors (formerly ENGL101H, Honors Freshman Composition)

ENGLC1001, Critical Thinking and Writing (formerly ENGL103, Critical Thinking and Writing)

ENGLC1001H, Critical Thinking and Writing - Honors (formerly ENGL103H, Honors Critical Thinking and Writing)

PSYCC1000, Introduction to Psychology (formerly PSYC100, Introduction to Psychology)

PSYCC1000H, Introduction to Psychology - Honors (formerly PSYC100H, Honors Introduction to Psychology)

# CONTINUING EDUCATION INFORMATION

**Mission Statement**
To offer quality, tuition-free, noncredit classes, programs and services that enable students to maximize their potential by acquiring the necessary academic, technical, and workforce skills to reach their personal, educational, and career goals so that they can benefit from and contribute to society as productive, active members of their communities.
(Approved by OEC Leadership, 12-11-19)

**Santiago Canyon College**
**Orange Education Center**
**1465 North Batavia Street**
**Orange, CA 92867**
**714-628-5900**

The Santiago Canyon College Orange Education Center is the major adult education service provider in the Orange area. Classes are offered in a variety of modalities including in-person, online, virtual hybrid, hybrid and zoom. In addition to online, there are multiple sites in which instruction is offered. These facilities provide a broad-based program that meets the educational needs of the community. Open entry/open exit classes allow students to register anytime during the school year and provide maximum flexibility with course schedules. For the current class schedule, please visit the website at sccollege.edu/oec or call the Orange Education Center at 714-628-5900.
sccollege.edu/ce

**Classroom Instruction**
Traditional and individualized, self-paced classroom instruction is offered in academic, vocational, and basic skills areas. The open entry/open exit format allows flexibility in planning.

**Convenient Community Locations**
Day and evening community locations make classes conveniently available to all adults in the district.

**Weekend & Online Classes**
To meet the needs of working adults, continuing education classes are also offered Fridays and Saturdays.

Online instruction is also available, allowing students to complete coursework remotely through an online learning environment with flexible access to course materials and assignments.

## ADMISSIONS AND STUDENT SERVICES

**Who May Attend**
Persons 18 years of age or older, or high school graduates, are eligible to enroll in continuing education classes. Students currently enrolled in secondary schools who wish to attend continuing education classes may be admitted by special request of the secondary school and approval from continuing education administration.

**Where to Register**
**Orange Education Center**
**(REOPEN IN SPRING 2027)**
1465 North Batavia Street
Orange, CA 92867
714-628-5900

**OEC Provisional Education Facility**
1937 West Chapman Avenue, 2nd Floor
Orange, CA 92868
714-628-5900

**Santiago Canyon College**
8045 East Chapman Avenue Room U-80
Orange, CA 92869
714-628-5929

**College and Workforce Preparation Center**
1572 North Main Street
Orange, CA 92867
714-628-5999

**Schedule of Classes**
A schedule of classes is prepared each semester which includes general information, courses offered, hours, locations, and rooms. Schedules are available before registration each semester in each of the major continuing education sites and Rancho Santiago Community College District campuses. Registration is ongoing, provided there is space available in classes.

**Open Enrollment**
The policy of the Rancho Santiago Community College District and Santiago Canyon College is that, unless specifically exempted by statute or regulation, every course, course section, or class, reported for state aid, wherever offered and maintained by the college, shall be fully open to enrollment and participation by any person who has been admitted to the college, provided there is available space in classes.

**Class Discontinuance Policy**
Any class which does not have a total of at least 20 students enrolled by the beginning of instruction may be discontinued. Any class which does not maintain satisfactory attendance may be discontinued at any time during the term.

**Student Identification Card**
Each student may obtain a student identification card upon request. For more information, please call OEC Admissions and Records Office 714-628-5900.

**Textbooks and Supplies**
All ABE, High School, HiSET and ESL courses are Zero Textbook Cost (ZTC). Students are not required to purchase textbooks or other instructional materials.

**Counseling and Guidance**
Counselors are available to provide academic, career and personal counseling in a confidential office setting. Students may seek counseling for many reasons, including the planning of educational objectives, obtaining information about employment and job skills, resolving personal and family problems, examining aptitudes, interests, and achievement, finding new careers and vocational directions, and learning to adjust in a new country. Students enrolling in courses leading toward an adult high school diploma must see a counselor upon registering. Counselors are available by appointment or on a walk-in basis. For more information or to arrange an appointment, please call 714-628-5929.

**Scholarships**
Several scholarships are made available to continuing education students. Selection of scholarship recipients will be based upon the recommendation of teachers and counselors, financial need, academic excellence, attendance, and minimum enrollment standards. For more information, call the Counseling office at 714-628-5929.

**Photography**
Santiago Canyon College, a non-profit California Community College, reserves the right to use photography and video images of students and visitors, age 18 and older, taken on our property and at college-sponsored events for marketing and promotional purposes. Objection to the use of an individual's photography may be made in writing to Public Affairs and Publications, RSCCD District Office, 2323 N. Broadway, Suite 408, Santa Ana, CA 92706.

**Disabled Students Programs and Services**
Santiago Canyon College will make reasonable accommodations for individuals with disabilities. To request services, contact the office of Disabled Students Programs and Services at 714-628-4860.

**Associated Student Government**
The Associated Student Government was established to provide students with government and leadership experience. Opportunities are available to become involved as student representatives. Students will learn firsthand about group dynamics and decision making, event

# CONTINUING EDUCATION INFORMATION

programming, and running effective meetings. Additionally, there are student clubs to join. For more information, please call 714-628-4913.

**Child Development**
A child development program center is available at Santiago Canyon College. There is no fee for eligible families. Arrangements may be made by calling 714-628-6952.

**Transcripts**
Students may obtain an official transcript of records by filing in person or mailing a request to the Admissions and Records Office, OEC Provisional Education Facility, 1937 West Chapman Avenue, 2nd Floor, Orange, CA 92868. The first two in-person transcripts will be issued without charge, thereafter, a $3 charge will be assessed for each additional transcript. All official transcripts are copies of the student's permanent record in the Office of Admissions and Records. Only records prepared and issued directly from that office will be considered official or certified for accuracy.

**Adult Basic Education (ABE)**
Assists students in strengthening their skills in reading, writing, spelling, mathematics, English usage, and grammar. ABE provides students with a strong educational foundation that can be used as a basis for employment preparation, entrance into high school subjects, GED preparation, HiSET preparation, and college and vocational programs. In addition, Native Language Basic Skills for Adults assists students in acquiring basic skills in their native language in order to facilitate the transition to beginning English as a Second Language courses. This program focuses on reading, math, and writing skills, as well as classroom and community coping skills.

**Adult High School Diploma**
Accommodates adults with varied responsibilities, backgrounds, and needs who desire to earn a high school diploma or California High School Equivalency Certificate (GED/HiSET). Courses designed to meet adult high school graduation requirements are offered 100% online in an asynchronous format with 24/7 access through the Canvas learning management system, or in person on campus through open-entry/open-exit, self-paced, individualized learning.

**Short-Term Career Education**
Provides employment preparation focusing on specific career technical areas and on general workforce development skills. Provides certificate programs in occupational areas with high employment potential such as healthcare and business skills.

**Citizenship**
Introduces students to U.S. citizenship and the naturalization process, U.S. history, and government. Prepares students for the U.S. Citizenship and Immigration Services USCIS interview and exam.

**English as a Second Language (ESL)**
Provides English language instruction for speakers of languages other than English. Offers instruction in the beginning through advanced levels. Core classes integrate the acquisition of skills in speaking, listening, reading, and writing. Specialty classes focus on further improvement of specific skills, such as conversation, pronunciation, writing, civics, or employability. Provides certificate programs for successful completion of levels; beginning through advanced, as well as specialty courses.

**Health and Safety**
Provides courses specifically designed to offer lifelong education to promote the health, safety, and well-being of individuals, families, and communities.

**Older Adults**
Offers courses designed to meet the specific needs of older students in a variety of areas, including music, cooking, health & wellness, manipulative skills, and discussion seminars. Many classes are offered in facilities specifically serving older adults.

**Parent Education**
Provides courses that emphasize intellectual, physical, and emotional aspects of parenting.

**Substantial Disabilities**
Provides courses designed to address the educational limitations of persons with a verified physical or mental impairment that substantially limits one or more major life activities.

**Workforce Preparation**
Provides Workforce Preparation courses focusing on the basic skills of speaking, listening, reading, writing, mathematics, decision-making, and problem-solving skills that are necessary to participate in job-specific technical training.

PLEASE NOTE: Some workforce preparation courses are designed to meet the specific needs of adults with disabilities, including physical, intellectual, developmental, and learning disabilities.

## ADULT HIGH SCHOOL PROGRAM

**General Information**
Rancho Santiago Community College District offers a comprehensive adult high school diploma program for adults who wish to continue their formal education. The Adult High School Diploma Program at Santiago Canyon College is approved by the California Community Colleges Chancellor's office. Santiago Canyon College is accredited by the Accrediting Commission for the Western Association of Schools and Colleges (Approval #31601). Diplomas are issued by the Rancho Santiago Community College District to students who complete the required course of study and demonstrate proficiency in basic skills. Graduation ceremonies are traditionally held each spring at Santiago Canyon College. Students may complete the diploma program at any time during the year and receive verification of completion of requirements at that time. Courses designed to meet adult high school graduation requirements are offered 100% online in an asynchronous format with 24/7 access through the Canvas learning management system, or in person on campus through open-entry/open-exit, self-paced, individualized learning. Elective credits may be earned in continuing education classes offered in a wide variety of locations throughout the community as listed in the schedule of classes published each semester.

**Counseling and Guidance**
Students must see a counselor to prepare an educational plan, discuss academic and career goals, and regularly update their educational plans. Counselors are available by appointment or on a walk-in basis. For more information or to arrange an appointment, please call 714-628-5929.

**Registration**
The Adult High School Diploma Program is available at the Santiago Canyon College. Students may obtain a schedule of classes and enroll at any time during the fall, spring, and summer semesters. For information, call 714-628-5929 or http://www.sccollege.edu/HighSchool.

**Proficiency Requirements**
Proficiency must be demonstrated in basic skills areas of reading, mathematics, and composition, according to the categories listed below:

1. **Reading**. Students will be required to demonstrate a minimum eighth-grade reading ability by passing an SCC Continuing Education approved reading proficiency examination, by earning a department-approved score on a CASAS Reading assessment, or by successfully completing an approved reading course at SCC or another accredited institution.
2. **Mathematics**. tudents will be required

# CONTINUING EDUCATION INFORMATION

to demonstrate math proficiency by passing an SCC Continuing Education approved mathematics examination with a minimum score of 70%, by passing the Math Fundamentals 2 course, or by successfully completing an approved mathematics course at SCC or another accredited institution.

3. **English Composition**. Students will be required to demonstrate English composition proficiency by passing an SCC Continuing Education approved composition examination with a minimum score of 70%, by passing the Composition 2 course, or by successfully completing an approved English composition course at SCC or another accredited institution.

To qualify for an adult high school diploma, the candidate must meet the following requirements:

**The Course of Study Adult High School Graduation Requirements**

The high school diploma requires a total of 160 credits taken from the following:

| Subject Area | Credits |
|---|---|
| English (a maximum of 10 credits of reading; must include at least one composition course) | 40.0 |
| Mathematics | 20.0 |
| Natural Sciences (must include both a biological and a physical science course) | 20.0 |
| Social and Behavioral Sciences (must include U.S. History, American Government, Economics, World History, Geography, and Culture) | 30.0 |
| Humanities | 10.0 |
| Electives | 40.0 |
| **TOTAL** | **160.0** |

**Limitations on Enrollment**

A student who has received a passing grade (A, B, C, D) for a high school course may not re-enroll in the same course. A student who has graduated from the Adult High School Diploma Program may not enroll in Adult Basic Education (ABE) or high school courses without written permission from an administrator.

**Residency**

Residency Requirement: At least 20 of the 160 required high school credits must be completed in residence at Rancho Santiago Community College District. At least 5 of the 160 required high school credits must be completed in residence at SCC's Continuing Education High School Program. Only 5 of the 20 residency credits may be challenged.

**Petition for Graduation & Catalog Rights**

A petition for graduation must be completed and submitted soon after the date a student completes the diploma requirements. Students who maintain continuous enrollment have the option to meet the certificate requirements as listed in the catalog in effect at the time of first enrollment or any subsequent year. Continuous enrollment is defined by earning a grade in continuing education for at least one course during any semester or session (fall/spring or summer), within that academic year.

For the purposes of the catalog, an academic year begins with the fall semester and concludes with the summer session. If a student does not earn a grade on their transcript during any of the semesters, or sessions, during an academic year, then the student is no longer protected by previous diploma/certificate requirements and will be held to the additional requirements. The student must then reset their catalog rights clock to use the catalog at the time of readmission or subsequent enrollment. In the event a loss of catalog rights due to extenuating circumstances, a student wishes to waive or substitute a requirement for certificate requirements, the student could complete the appropriate form and submit to the Exceptions for Academic Regulations (EAR) Committee for final determination.

NOTE: Commencement exercises are held once a year at the end of the spring semester for those students who complete the requirements for graduation during the year or the summer session. Students transferring credits to complete the high school diploma must have Official Transcripts from all high schools and/or colleges attended on file in the Admissions and Records office prior to graduation.

**Continuous Enrollment and Catalog Rights for Use of CSU-GE/Plan B or IGETC/Plan C:**

Effective Fall 2025, the CSU-GE Breadth/Plan B and IGETC/Plan C will transition to one general education pattern, the California General Education Transfer Curriculum (Cal-GETC)/Plan 2. However, students who began Santiago Canyon College (or another CCC or CSU) prior to Fall 2025 will be permitted to use previous catalog years for CSU GE and IGETC pattern if they maintained the CSU continuous enrollment definition. CCC or CSU students must complete one semester each calendar year (example: Spring 2022, Fall 2023, Spring 2024, Spring 2025, etc) to maintain continuous enrollment without a one-year break.

CSU and UC Systems Offices understand that the changeover from CSU-GE/IGETC to the new Cal-GETC pattern can be confusing for students. As a result, Cal-GETC Standards 1.2 Section 3.4 was written to simplify the process for students whose enrollment spans across the adoption of Cal-GETC, to enable them to follow whichever pattern is the most advantageous for them. Please consult with a SCC counselor for additional information.

## Grade Reports

1. **Grade Reports**: In-class progress is reported to the student in a number of ways. Tests are often given to show individual student progress.
2. **Cumulative Records**: The district will maintain cumulative records on each current high school diploma student. These records may contain pertinent information necessary to aid students in educational planning. Placement tests follow-up, interest inventories, and other data contained in the cumulative record will be available for review by the student upon request.

## POLICIES GOVERNING SOURCES OF CREDIT

**Previous Secondary Schools**

All credits earned in the 9th, 10th, 11th, and 12th grades recorded on an official transcript will be accepted except physical education credits and credits which are a duplication of course work for which credit was previously granted.

**Trade or Business Schools**

Courses that are taken in trade or business schools will be evaluated for possible high school credit equivalency. Courses in this category must be approved by the Office of Private Postsecondary Education. It is the responsibility of the student to provide to the district transcripts, certificates, and/or other records requested for the evaluation and possible awarding of credit.

**Armed Forces Schools and/or Programs**

Credit may be granted for completion of training programs and other valid educational experiences provided they have been certified by the United States Armed Forces Institute or by a statement on the service record, and provided they parallel 1) courses usually taught in secondary schools, and 2) vocational training courses with counterparts in civilian life. The recommendations for credit for such programs and experiences are contained in three volumes published by the American Council on Education: The 2006 edition of the Guide To The Evaluation of Educational Experiences In The Armed Services, Vol. I-Air Force; Vol. II.-Army; Vol. III-Coast Guard, Marine, and Navy.
This section is to be interpreted as including:

- Officer and enlisted service school courses;
- Off-duty classes offered by the armed forces and cooperating local institutions;
- Correspondence courses offered by the United States Armed Forces Institute, the Marine Corps Institute, the Coast Guard Institute, and cooperating colleges and

# CONTINUING EDUCATION INFORMATION

universities;

- United States Armed Forces Institute courses and subject examinations. (Authorization for this procedure is contained in Title V, Section 99, part C, of the California Administrative Code.

**College Courses**
College units to be used for high school credits may be evaluated in a ratio of 3 college units to 10 high school semester periods of credit. The college should be notified in writing when college credits are utilized to meet high school requirements. College credit equivalency recommended by the American Council on Education guides will be evaluated for high school credit on the same basis as other college credit courses.

**Correspondence Courses**
Courses taken by correspondence will be evaluated for possible high school credit equivalency. Courses in this category must be approved by the Office of Private Postsecondary Education. It is the responsibility of the student to provide the district transcripts, certificates, and/or other records requested for the evaluation and possible awarding of credit.

**Adult School Courses**
Courses taken at adult schools will be evaluated for possible high school credit equivalency. Courses in this category must be approved by the California State Department of Education. No credit will be allowed for physical education courses nor for courses from other adult schools if such courses are designated in the Rancho Santiago Community College District as "no high school credit." It is the responsibility of the student to provide the district transcripts, certificates, and/or other records requested for the evaluation and possible awarding of credit.

**Work Experience**
Students may obtain credit for certain types of full-time work experience or for work experience that can be related to high school subject matter. In order to obtain credit for work experience, students must provide written verification from those employers with whom they have worked for at least one year. The Continuing Education administrators or counselors will evaluate the amount of work experience credit and the area of application. Evaluation will not be made for more credits than is necessary to meet graduation requirements and which the letters of verification justify. Combined work experience credit and consumer skills task credit may not exceed 40 credits.

Verification of work experience should be obtained by the student, requesting from each employer on official letterhead stationery the following information:

- Dates of employment.
- Job description.
- Nature of duties performed, indicating progress to more complex operations justifying a division into the beginning and advanced skills.
- Statements regarding successful performance.
- Reason for termination of employment, if applicable.
- The letter of self-employed students must be accompanied by a copy of the student's business license or W-2 form.
- Upon receipt of verification of all work experience which the student wishes to be considered for credit, an evaluation will be made on the following basis:
  - Up to 10 credits will be given for the first year of successful work experience.
  - Up to 10 additional credits to a maximum of 40 will be granted for each additional full year of employment if the student has made successful progress each year on the job.
  - After the initial 10 credits for the first year, a student may earn 5 credits for a period of six months of employment, provided there is evidence of successful progress.

**Testing**
The district may award a maximum of 80 high school credits on the basis of district-approved testing.

1. **Subject Matter Credit by Examination** Credit by examination may be earned only for courses that are specifically designated by the division curriculum committee as courses that are eligible for credit by examination. Information for receiving this credit may be obtained from a counselor in continuing education. Only 5 of the 20 residency credits may be challenged.

**Regional Occupational Program Courses**
Credit will be determined upon receipt of an official secondary or community college transcript which indicates credit and grades as appropriate.

Guidelines for issuance of ROP credit when not on a unified school district transcript:

- RSCCD will accept an official Grade Reporting Sheet from the Central County Regional Occupational Program in lieu of a unified school district transcript provided it has a grade and a number of total hours.
- The amount of credit issued is to be based on 16 clock hours per credit unit.
- A maximum of 20 units toward electives will be accepted in this manner.
- Students coming from outside the CCROP will have to validate their credits only through an official school district transcript.

**Other Electives**

1. Learning Skills A maximum of 40 credits in Learning Skills will be allowed toward high school graduation credit in the elective area, including work experience.
2. English as a Second Language (ESL) A maximum of 10 elective high school diploma credits may be awarded to students who pass English as a Second Language 304, 305, or 306.
3. Adult Basic Education (ABE) A maximum of 20 high school elective credits may be granted when students pass all or parts of the required ABE exit tests.

# CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS

## POLICIES GOVERNING STUDENTS

### Attendance

Students are expected to attend all class meetings. Students who are enrolled but absent on the first class session may be dropped. A student may also be dropped for excessive absences.

### Enrollment

Students are expected to demonstrate academic progress throughout each course. Failure to meet academic goals and contracts may result in a student being dismissed from the program for more than one semester. Reentry enrollment is contingent upon a contractual agreement with the college administration.

### Standards of Student Conduct

Guidelines for Student Conduct are set forth in the California Education Code, California Administrative Code, Title V, policies of the Board of Trustees, and all civil and criminal codes. Students enrolling in district educational programs assume an obligation to obey state law and district rules and regulations governing the conduct of students.

**Standards of Conduct for Computer Classrooms and Computer Labs**

In accordance with Board Policy (BP 3720) and Administrative Regulation (AR 3720) and in an effort to extend the life of the hardware, comply with the copyright laws, and adhere to appropriate computer network conduct and usage, standards of conduct are required of all students using computer classrooms, computer labs, and the wireless network.

**Academic Honesty**

Students at Santiago Canyon College are expected to be honest and forthright in their academic endeavors. To falsify the results of one's research, to steal the words or ideas of another, or to cheat on an examination corrupts the essential process by which knowledge is advanced. Academic dishonesty is seen as an intentional act of fraud, in which a student seeks to claim credit for the work or efforts of another without authorization or uses unauthorized materials or fabricated information in any academic exercise. We as an institution, also consider academic dishonesty to include forgery of academic documents, intentionally impeding or damaging the academic work of others, assisting other students in acts of dishonesty, or coercing students into acts of dishonesty.

**Disciplinary Action**

Violations to any tenets within the standards of student conduct are subject to the following disciplinary actions: warning, reprimand, probation, restitution, removal, suspension, or expulsion. Disciplinary actions may be imposed singly or in combination.

**Grading Standards**

| | | |
|---|---|---|
| A | Superior | 4 grade points per unit |
| B | Above Average | 3 grade points per unit |
| C | Average | 2 grade points per unit |
| D | Below Average | 1 grade point But Passing per unit |
| F | Fail | 0 grade points (but counted in GPA) |
| CIP | Currently In Progress | 0 grade points |
| P | Pass | 0 grade points |
| COM | Completed | 0 grade points |
| SP | Satisfactory Progress | 0 grade points |
| NP | No Pass | 0 grade points |

**Credit by Examination**

Credit by examination may be earned only for courses that are specifically designated as courses that are eligible for credit by examination. A student cannot take credit by examination to improve a substandard grade. High School Diploma Courses Information for receiving credit by examination may be obtained from a continuing education counselor.

**High School Subjects:**

English 066, 067, 068, 084, 098
Mathematics 156, 157, 159, 163, 164, 165, 166
Science 168, 169, 190, 191, 192, 193
Social Sciences 215, 218, 219, 222, 229, 230
Math Continuing Education 206, 255

**Procedures for Student Complaints Regarding Grades**

Education Code 76224 states: "When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor for the course; and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetence, shall be final."

**Procedure:**

1. Students shall meet with an instructor to discuss the grade.
2. If the issue is not resolved, and the student believes that the grade is based on mistake, fraud, bad faith, or incompetency (EC 76224), an appeal in writing may be made to the Area Dean of Instruction and Student Services. Forms of written appeal may be found in the office of the Area Dean of Instruction and Student Services.
3. The student may be requested to set up an appointment with the Dean of Instruction and Student Services to discuss the written complaint.
4. The Dean of Instruction and Student Services will review the allegations and may consult with the instructor.
5. The Dean of Instruction and Student Services will review the issue and will notify the student and instructor in writing of the decision.
6. The decision of the Dean of Instruction and Student Services is final.

**Complaint Procedures for Students**

Students may file a complaint when they believe they have been deprived of a right granted to students by the Board of Trustees in any of the policies or regulations of the Rancho Santiago Community College District. The purpose of these complaint procedures is to resolve differences as fairly and expeditiously as possible while preserving the rights of students and staff members.

**Definitions Days**: number of days refers to the days when the District offices are open. Committee: Continuing Education Student Complaint Committee.

**Procedure:**

1. Students shall first confer with the staff member who took action or made the ruling to which they object no later than ten days following the event which prompted the complaint. The Area Dean of Instruction and Student Services or designee will assist the student in arranging an appointment with the staff member.
2. If the difference is not satisfactorily resolved, the student shall confer with the staff member's supervisor. The Area Dean of Instruction and Student Services or designee will assist the student and staff member's supervisor.
3. If the complaint is unresolved, the student may file a written statement setting forth the nature of the complaint on the prescribed form with the Area Dean of Instruction and Student Services no later than ten days after conferring with the staff member's supervisor.

# CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS

4. The complaint form shall be completed in full and shall include a full description of the complaint, times, dates and pertinent facts, and the remedy sought by the student.
5. A Student Complaint-Staff Response form will be sent to both the staff member and supervisor for completion.
6. The Area Dean of Instruction and Student Services shall forward the completed forms to the Continuing Education Student Complaint Committee chairperson for review and recommendation. The committee shall have the power to make an appropriate investigation of the complaint and shall state the findings and make a recommendation.
7. If the complaint is sustained by the committee, it will recommend appropriate action for relief of the complaint and communicate this in writing to the staff member to whom the complaint was directed. If the staff member accepts the recommended action and if the student who filed the complaint is satisfied with the action, the complaint shall be considered resolved and closed.
8. If the findings of the committee do not sustain the complaint, the committee shall communicate this finding in writing to the student who filed the complaint. If the student accepts this finding, the complaint shall be considered resolved and closed.
9. If no resolution of the complaint is obtained under (7) or (8) above, the Area Dean of Instruction and Student Services shall forward the complaint together with the findings of the committee to the Chancellor for review and decision.
10. If this decision does not resolve the complaint in the opinion of the student, the Chancellor shall present the case to the Board of Trustees with the findings and recommendations. If the Board finds that the complaint is invalid, the Chancellor's recommendation shall stand in the final resolution. If the Board finds that the complaint is valid, it shall instruct the Chancellor as to how the complaint shall be resolved, and the Chancellor shall implement the Board's decision.

**Student Records**

Under the guidelines of the Family Educational Rights and Privacy Act of 1974, student records are confidential, and privacy is to be scrupulously maintained.

Right to Review and Challenge Records:

Under the provisions of the U.S. Department of Health, Education, and Welfare, students have the right to inspect and review any of the following files:

- admissions/records
- data processing
- financial aid
- placement
- veterans

After review and exploration, students may challenge any information relating to them if they believe the information to be inaccurate, misleading, or otherwise in violation of their rights of privacy or other rights. Forms for a challenge are available in the Area Dean of Instruction and Student Services office. District staff or other professionals who have a legitimate educational interest such as counseling and carrying out the normal operations of the educational program have access to student records. Any student has the right to file a complaint with the U.S. Department of Health, Education, and Welfare concerning alleged failure of the institution to comply with provisions above or Section 438 of the General Provision.

**High School Petition Students**

Secondary school students who wish to take course work in Rancho Santiago Community College District Continuing Education and have it transferred to another school must present a completed Petition for Registration in order to be considered for admission. Failure to comply fully with all conditions listed on the form may result in the immediate revocation of the petition and dismissal from Continuing Education classes.

1. Grading and Transfer of Credits: Students must satisfactorily complete all course requirements including exams, projects, papers, and attendances before credit or grades can be issued. Students are responsible for planning schedules and progress in order to earn credits in time to meet graduation deadlines in other school districts.
2. Conduct: A student's conduct must be productive, responsible, and courteous at all times. Unacceptable behavior may result in the immediate revocation of this petition and dismissal from class. Unacceptable behavior includes, but is not limited to, excessive talking, noncompliance with rules, failure to follow instructor directions, falsification of records, cheating or assisting others to cheat, destruction or theft of school property, disruption of classes, violence, or being under the influence of drugs or alcohol.

**Special Rules, Regulations, and Student Obligations**

Because of special program characteristics, the following programs must adhere to special rules, regulations, and student obligations beyond the Standard Guidelines for Student Conduct adopted by the Rancho Santiago Community College District. Students enrolled in any of the following programs are obligated to perform within those special program guidelines in order to maintain class attendance: any community-based organization or governmental agency with which the Rancho Santiago Community College District cooperates in a program offering.

**Family Education Rights and Privacy**

As required under the provisions of the Family Education Rights and Privacy Act of 1974, the Rancho Santiago Community College District will make public without student consent only certain directory information. This information consists of the following: a student's name; city of residence; a major field; participation in officially recognized activities and sports; weight, height, and age if a member of an athletic team; dates of attendance; degree and awards received; and the most recent previous educational institution or agency attended by the student. A student may request the Admissions and Records Office to withhold this information. Such requests must be in writing and submitted each semester.

**Use of Public School Facilities for Adult Classes**

1. Alcoholic Beverages and Controlled Substances: Both by policies instituted by local Boards of Education (Garden Grove Unified School District, Orange Unified School District, Rancho Santiago Community College District, and Santa Ana Unified School District) and California State Law specifically prohibit possession of alcoholic beverages and controlled substances on school premises at any time, by any person, regardless of age. Regulations also prohibit the use of alcoholic beverages at school events, whether on or off the campus, or the appearance at school events while under the influence of alcoholic beverages and/or controlled substances. The penalty for violation of these

# CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS

regulations is immediate suspension from school, followed by expulsion if imposed by the Board of Trustees. Additional penalties may be imposed by law enforcement agencies.

2. Smoking: Provisions of the Uniform Fire Code, Article 29, Section 29.06, Smoking Activity on School Property, state: "It shall be unlawful for any person or persons to engage in any smoking activity or to possess any flaming or glowing object or cause to be lighted any substance in any classroom or on school property at any time except in areas authorized by the local Board of Education." The only areas authorized for smoking are outside the school buildings in a designated smoking area. There is to be No Smoking by anyone in any of the classrooms at any time. Proper containers are provided in the smoking areas for the disposal of cigarettes.
3. Food and Beverages: Food and beverages are not to be brought into the classrooms at any time. Proper containers are provided for the disposal of trash in designated areas.

# CREDIT PROGRAMS

## ACCOUNTING

### Accounting, AS

***A.S. Degree Major***

**Unit Range for Completion:** 20.0 - 20.0

The Associate of Science degree in Accounting prepares students for entry-level positions and promotional opportunities in accounting and administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. Specialized training in accounting and finance principles and practices enables students to maintain accounting records and develop financial reports and make effective use of financial information for analysis and decision making. Entry-level employment opportunities include positions in accounts receivable/payable, payroll, income tax preparation, cost accounting, and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these areas and the areas of general ledger, financial statement preparation and financial statement analysis.

**Program Rules:** Accounting, AS (Total Units 20.0 - 20.0)

The following number of Units

***Major Requirements: (Total Units 14.0 - 14.0)***

The following number of Units

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
CIS106 Microsoft Excel (Total Units 3.0 - 3.0)

**Select one (1) course: (Total Units 3.0 - 3.0)**

The following number of Units

ACCT204 Managerial Cost Accounting (Total Units 3.0 - 3.0)
ACCT205 Intermediate Accounting I (Total Units 3.0 - 3.0)

**Select one (1) course: (Total Units 3.0 - 3.0)**

The following number of Units

BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)

**Control Number:** 11858

### Accounting, CA

***Certificate of Achievement***

**Unit Range for Completion:** 20.0 - 20.0

The Certificate of Achievement in Accounting prepares students for entry-level positions and promotional opportunities in accounting and administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. Specialized training in accounting and finance principles and practices enables students to maintain accounting records and develop financial reports and make effective use of financial information for analysis and decision making. Entry-level employment opportunities include positions in accounts receivable/payable, payroll, income tax preparation, cost accounting, and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these areas and the areas of general ledger, financial statement preparation and financial statement analysis.

**Program Rules:** Accounting, CA (Total Units 20.0 - 20.0)

All of the following

***Certificate Requirements: (Total Units 14.0 - 14.0)***

All of the following

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
CIS106 Microsoft Excel (Total Units 3.0 - 3.0)

**Select one (1) of the following: (Total Units 3.0 - 3.0)**

The following number of Units

ACCT204 Managerial Cost Accounting (Total Units 3.0 - 3.0)
ACCT205 Intermediate Accounting I (Total Units 3.0 - 3.0)

**Select one (1) of the following: (Total Units 3.0 - 3.0)**

The following number of Units

BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)

**Control Number:** 21631

### Bookkeeping, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 10.0 - 10-11.0

The Bookkeeping Certificate program equips students with essential skills in bookkeeping, including accrual accounting, financial statement preparation, and bank reconciliations. The program emphasizes practical experience with tools like QuickBooks and Excel, preparing students for entry-level bookkeeping roles or enhancing their existing finance skills.

**Program Rules:** Bookkeeping, CERT (Total Units 10.0 - 11.0)

All of the following

***Certificate Requirements: (Total Units 7.0 - 7.0)***

All of the following

ACCT 135 -- QuickBooks Online 1 (Total Units 2.0 - 2.0)
ACCT 136 -- QuickBooks Online 2 (Total Units 2.0 - 2.0)
ACCT 209 -- Excel for Accounting (Total Units 3.0 - 3.0)

**Select one (1) of the following: (Total Units 3.0 - 4.0)**

The following number of Units

ACCT 100 -- Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT 101 -- Financial Accounting (Total Units 4.0 - 4.0)

**Control Number:** None

### Computerized Accounting, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 11.0 - 11-12.0

The Computerized Accounting Certificate program is designed to provide students with basic accounting skills and knowledge necessary to obtain entry-level accounting and other accounting support positions in small and medium-sized businesses which use computerized accounting systems.

**Program Rules:** Computerized Accounting, CERT (Total Units 11.0 - 12.0)

The following number of Units

ACCT035 QuickBooks (Total Units 2.0 - 2.0)
CIS106 Microsoft Excel (Total Units 3.0 - 3.0)

***Rule Group (Total Units 3.0 - 7.0)***

At least one of the following

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)

***Rule Group (Total Units 3.0 - 6.0)***

At least one of the following

CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
CMPR100 The Computer and Society (Total Units 3.0 - 3.0)

**Control Number:** None

## General Accounting, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 14.0 - 14.0

The certificate prepares students for entry-level positions and promotional opportunities in accounting and administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. Specialized training in accounting and finance principles and practices enables students to maintain accounting records and develop financial reports and make effective use of financial information for analysis and decision making. Entry-level employment opportunities include positions in accounts receivable/payable, payroll, income tax preparation, cost accounting, and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these areas and the areas of general ledger, financial statement preparation and financial statement analysis.

**Program Rules:** General Accounting, CERT (Total Units 14.0 - 14.0)

The following number of Units

***Rule Group (Total Units 8.0 - 8.0)***

All of the following

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)

ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)

***Rule Group (Total Units 3.0 - 6.0)***

At least one of the following

BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)

CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)

***Rule Group (Total Units 3.0 - 6.0)***

At least one of the following

BUS222 Business Writing (Total Units 3.0 - 3.0)

MGMT122 Business Communications (Total Units 3.0 - 3.0)

**Control Number:** None

# AMERICAN COLLEGE ENGLISH

## American College English/ESL, CA

***Certificate of Achievement***

**Unit Range for Completion:** 16.5 - 16.5

The Certificate of Achievement in American College English (ACE), is an intensive academic English as a Second Language program which provides students, prospective employers, and others with documented evidence of persistence and achievement in developing English fluency.

**Program Rules:** American College English/ESL, CA (Total Units 16.5 - 16.5)

All of the following

***Certificate Requirements: (Total Units 4.5 - 4.5)***

The following number of Units

ACE106 Academic Reading and Writing 2 (Total Units 4.5 - 4.5)

ACE116 Introduction to Academic Composition (Total Units 4.5 - 4.5)

**Select nine (9) units from the following (may not select a course that is used to satisfy the unit requirement from the list above) (Total Units 9.0 - 9.0)**

The following number of Units

ACE116 Introduction to Academic Composition (Total Units 4.5 - 4.5)

COMM100 Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)

COMM100H Honors Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)

READ101 Introduction to Academic Reading (Total Units 3.0 - 3.0)

READ128 Expanding ESL Reading Skills (Total Units 1.0 - 1.0)

READ129 Refining ESL Reading Skills (Total Units 1.0 - 1.0)

**Select (3) units from the following (may not select a course that is used to satisfy the unit requirement from the list above) (Total Units 3.0 - 3.0)**

The following number of Units

CNSL101 Educational, Personal, Cultural, and Career Exploration (Total Units 3.0 - 3.0)

COMM100 Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)

COMM100H Honors Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)

COMM120 Intercultural Communication (Total Units 3.0 - 3.0)

COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)

READ101 Introduction to Academic Reading (Total Units 3.0 - 3.0)

**Control Number:** 37478

# AMERICAN SIGN LANGUAGE

## American Sign Language, CA

***Certificate of Achievement***

**Unit Range for Completion:** 21.0 - 21.0

The Certificate of Achievement in American Sign Language (ASL) is offered as preparation for developing linguistic competency in ASL and readiness for entering a formal interpreter training program. The certificate indicates skill in the use of ASL for personal communication and an introductory awareness of Sign Language interpreting and other professions working within the Deaf community.

**Program Rules:** American Sign Language, CA (Total Units 21.0 - 21.0)

All of the following

***Certificate requirements: (Total Units 18.0 - 18.0)***

All of the following

ASL110 American Sign Language I (Total Units 4.0 - 4.0)

ASL111 American Sign Language II (Total Units 4.0 - 4.0)

ASL113 Introduction to Interpreting for the Deaf (Total Units 3.0 - 3.0)

ASL116 Introduction to Deaf Studies (Total Units 3.0 - 3.0)

ASL210 American Sign Language III (Total Units 4.0 - 4.0)

**Select one (1) course from the following: (Total Units 3.0 - 3.0)**

The following number of Units

CDEV107 Child Growth and Development (DSI) (Total Units 3.0 - 3.0)

CDEV205 Introduction to Children with Special Needs (Total Units 3.0 - 3.0)

COMM100 Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)

COMM100H Honors Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)

COMM120 Intercultural Communication (Total Units 3.0 - 3.0)

COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)

EDUC209 Roles and Responsibilities of the Special Education Paraprofessional (Total Units 3.0 - 3.0)

PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)

THEA110 Acting Fundamentals (Total Units 3.0 - 3.0)

**Control Number:** 11905

# ANTHROPLOGY

## Anthropology, AA

***A.A. Degree Major***

**Unit Range for Completion:** 18.0 - 18.0

The Associate of Arts degree in Anthropology is designed as a program of basic courses for students considering professional careers as archeologists, ethnographers, linguists, physical anthropologists; for those preparing to become social science teachers in elementary or secondary schools; for such diverse fields as psychology, medicine, law, political science, international relations, economics, or history; and for individuals who plan public service careers in social work, health and welfare programs, and foreign service. Students should consult with faculty members for advice in selecting course offerings best suited to the individual's particular career objectives. The associate of arts degree prepares the student to move into a curriculum at a four-year institution leading to a baccalaureate degree in these careers.

**Program Rules:** Anthropology, AA (Total Units 18.0 - 18.0)

The following number of Units

***Major requirements: (Total Units 12.0 - 12.0)***

The following number of Units

**Select ANTH 100 or ANTH 100H. Credit will be awarded for only one course. (Total Units 3.0 - 3.0)**

The following number of Units

ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)

ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)

**Complete the following three (3) courses (Total Units 9.0 - 9.0)**

The following number of Units

ANTH101 Introduction to Physical Anthropology (Total Units 3.0 - 3.0)

ANTH103 Introduction to Archaeology (Total Units 3.0 - 3.0)

ANTH104 Language and Culture (Total Units 3.0 - 3.0)

**List A - Cultural Anthropology Emphasis: If emphasis is Cultural Anthropology, select six (6) units from List A: (Total Units 6.0 - 6.0)**

The following number of Units

ECON102 Principles/Macro (Total Units 3.0 - 3.0)

ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)

GEOG100 World Regional Geography (Total Units 3.0 - 3.0)

GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)

GEOG102 Cultural Geography (Total Units 3.0 - 3.0)

GEOG102H Honors Cultural Geography (Total Units 3.0 - 3.0)

GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)

HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)

HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)

SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)

SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)

PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)

PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

**List B - Physical Anthropology Emphasis: If emphasis is Physical Anthropology, select six (6) units from List B.: (Total Units 6.0 - 6.0)**

The following number of Units

ANTH101L Physical Anthropology Laboratory (Total Units 1.0 - 1.0)

BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)

BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)

BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)

BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)

BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)

BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)

ERTH100 Physical Geology (Total Units 3.0 - 3.0)

ERTH100L Physical Geology Laboratory (Total Units 1.0 - 1.0)

ERTH111 Historical Geology (Total Units 4.0 - 4.0)

GEOG101 Introduction to the Natural Environment (Total Units 3.0 - 3.0)

GEOG101H Honors Introduction to the Natural Environment (Total Units 3.0 - 3.0)

GEOG101L Introduction to the Natural Enviroment Lab (Total Units 1.0 - 1.0)

**Control Number:** 11939

## Anthropology, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 18.0 - 18-19.0

The Associate in Arts in Anthropology for Transfer degree is designed to provide students with an understanding of the scientific and humanistic study of past and present cultures, nonhuman primate relatives and archaeology. Courses in this program explore the influence of anthropology on various professional areas such as archeology, ethnography, linguistics, physical anthropology, museology, elementary and secondary social science education, art, economics, history, international relations, music, law, political science, psychology, religion, social work and foreign service. Successful completion of the transfer degree in Anthropology guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Anthropology or a related field.

**Program Rules:** Anthropology, AA-T (Total Units 18.0 - 19.0)

All of the following

***Major requirements: (Total Units 9.0 - 9.0)***

The following number of Units

***Major Requirement (Total Units 3.0 - 6.0)***

At least one of the following

ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)

ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)

***Major Requirement (Total Units 6.0 - 6.0)***

All of the following

ANTH101 Introduction to Physical Anthropology (Total Units 3.0 - 3.0)

ANTH103 Introduction to Archaeology (Total Units 3.0 - 3.0)

**Select one (1) course from the following (List A): (Total Units 3.0 - 3.0)**

The following number of Units

ANTH104 Language and Culture (Total Units 3.0 - 3.0)

ERTH100 Physical Geology (Total Units 3.0 - 3.0)

GEOG101 Introduction to the Natural Environment (Total Units 3.0 - 3.0)

GEOG101H Honors Introduction to the Natural Environment (Total Units 3.0 - 3.0)

GEOG102 Cultural Geography (Total Units 3.0 - 3.0)

GEOG102H Honors Cultural Geography (Total Units 3.0 - 3.0)

**Select one (1) course from the following (List B): An additional course from List A (may not be used to satisfy the requirements in List A) (Total Units 3.0 - 4.0)**

The following number of Units

GEOG155 Introduction to Geographic Information Systems (Total Units 4.0 - 4.0)

STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)

STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)

STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Select one (1) course from the following (List C): An additional course from List A or B (may not be used to satisfy the requirements in List A or B) (Total Units 3.0 - 3.0)**

The following number of Units

COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
GEOG100 World Regional Geography (Total Units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
MUS102 World Music (Total Units 3.0 - 3.0)
PHIL112 World Religions (Total Units 3.0 - 3.0)
PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)

**Control Number:** 32043

# ART

## Art, AA

***A.A. Degree Major***

**Unit Range for Completion:** 30.0 - 30.0

The Associate of Arts degree in Art provides students with an opportunity for individual creative stimulus and development. Completion of the associate in arts degree also prepares students to transfer to a four-year institution leading to a baccalaureate degree or into a professional art school. Possible careers in fine arts are art education, interior design, gallery operation, art merchandising, studio artist, illustration, art criticism, computer graphics and animation and related fields.

**Program Rules:** Art, AA (Total Units 30.0 - 30.0)

All of the following

***Major requirements: (Total Units 24.0 - 24.0)***

The following number of Units

**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

ART100 Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART100H Honors Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ART110 Two-Dimensional Design (Total Units 3.0 - 3.0)
ART111 Three-Dimensional Design (Total Units 3.0 - 3.0)
ART130 Introduction to Drawing (Total Units 3.0 - 3.0)
ART131 Beginning Life Drawing (Total Units 3.0 - 3.0)
ART141 Beginning Painting (Total Units 3.0 - 3.0)

**Select six (6) units from the following: (Total Units 6.0 - 6.0)**

The following number of Units

ART128 Introduction to Illustration (Total Units 3.0 - 3.0)
ART149 Introduction to Digital Photography (Total Units 3.0 - 3.0)
ART195 Introduction to Digital Media Arts (Total Units 3.0 - 3.0)
ART228 Intermediate Illustration (Total Units 3.0 - 3.0)
ART230 Intermediate Drawing (Total Units 3.0 - 3.0)
ART231 Intermediate Life Drawing (Total Units 3.0 - 3.0)
ART232 Advanced Life Drawing (Total Units 3.0 - 3.0)
ART233 Advanced Drawing (Total Units 3.0 - 3.0)
ART241 Intermediate Painting (Total Units 3.0 - 3.0)
ART242 Advanced Painting (Total Units 3.0 - 3.0)
ART249 Intermediate Digital Photography (Total Units 3.0 - 3.0)
ART250 Advanced Studio Concepts (Total Units 3.0 - 3.0)

**Control Number:** 11911

## Digital Media Arts: Graphic Design, CA

***Certificate of Achievement***

**Unit Range for Completion:** 18.0 - 1821.0

The Certificate of Achievement in Digital Media Arts Graphic Design reflects the industry standard in the field of advertising/graphic design for printed media, the web, and digital imaging. The program is designed with a combination of courses from fine art, digital media, computer science, and marketing to develop technical skills and creativity in digital media. Graduates of this program will find entry into the profession at various levels with employment opportunities in the fields of advertising, graphic design, web design, application design, and digital imaging.

**Program Rules:** Digital Media Arts: Graphic Design, CA (Total Units 21.0 - 21.0)

All of the following

***Certificate Requirements: (Total Units 18.0 - 18.0)***

The following number of Units

**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

**Select ART100 or ART100H. Credit will be awarded for one or the other. (Total Units 0.0 - 0.0)**

ART100 Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART100H Honors Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART110 Two-Dimensional Design (Total Units 3.0 - 3.0)
ART122 Graphic Design I (Total Units 3.0 - 3.0)
ART129 Introduction to Web Design (Total Units 3.0 - 3.0)
ART130 Introduction to Drawing (Total Units 3.0 - 3.0)
ART195 Introduction to Digital Media Arts (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 3.0 - 3.0)**

The following number of Units

ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART111 Three-Dimensional Design (Total Units 3.0 - 3.0)
ART128 Introduction to Illustration (Total Units 3.0 - 3.0)
ART131 Beginning Life Drawing (Total Units 3.0 - 3.0)
ART141 Beginning Painting (Total Units 3.0 - 3.0)
ART149 Introduction to Digital Photography (Total Units 3.0 - 3.0)
ART221 Graphic Design II (Total Units 3.0 - 3.0)
ART228 Intermediate Illustration (Total Units 3.0 - 3.0)
ART230 Intermediate Drawing (Total Units 3.0 - 3.0)
ART231 Intermediate Life Drawing (Total Units 3.0 - 3.0)
ART232 Advanced Life Drawing (Total Units 3.0 - 3.0)
ART250 Advanced Studio Concepts (Total Units 3.0 - 3.0)
CMPR105 Visual BASIC Programming (Total Units 3.0 - 3.0)
MKTG112 Principles of Advertising (Total Units 3.0 - 3.0)

**Control Number:** 21670

## Graphic Design, AS

***A.S. Degree Major***

**Unit Range for Completion:** 30.0 - 30.0

The Associate of Science degree in Graphic Design prepares students for entry into the broad field of visual communication, with an emphasis on the development of problem solving in the practical application of graphic design. These applications include design for the print media, advertising, architectural and environmental graphics, packaging, logos, corporate identity, the web and other electronic media, using both digital media tools as well as traditional hand skills. It also enables students to enter a four-year institution leading to a baccalaureate degree or into a professional art school with a graphic design emphasis.

**Program Rules:** Graphic Design, AS (Total Units 30.0 - 30.0)

All of the following

***Major requirements: (Total Units 21.0 - 21.0)***

The following number of Units

ART110 Two-Dimensional Design (Total Units 3.0 - 3.0)
ART122 Graphic Design I (Total Units 3.0 - 3.0)
ART129 Introduction to Web Design (Total Units 3.0 - 3.0)
ART130 Introduction to Drawing (Total Units 3.0 - 3.0)
ART149 Introduction to Digital Photography (Total Units 3.0 - 3.0)
ART195 Introduction to Digital Media Arts (Total Units 3.0 - 3.0)
ART221 Graphic Design II (Total Units 3.0 - 3.0)

***Art History Requirement (Total Units 3.0 - 3.0)***

The following number of Units

**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

ART100 Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART100H Honors Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)

**Select one (2) courses from the following: (Total Units 6.0 - 6.0)**

The following number of Units

**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ART111 Three-Dimensional Design (Total Units 3.0 - 3.0)
ART128 Introduction to Illustration (Total Units 3.0 - 3.0)
ART131 Beginning Life Drawing (Total Units 3.0 - 3.0)
ART141 Beginning Painting (Total Units 3.0 - 3.0)
ART228 Intermediate Illustration (Total Units 3.0 - 3.0)
ART229 Multimedia Applications for the Web (Total Units 3.0 - 3.0)
ART230 Intermediate Drawing (Total Units 3.0 - 3.0)
ART231 Intermediate Life Drawing (Total Units 3.0 - 3.0)
ART232 Advanced Life Drawing (Total Units 3.0 - 3.0)
ART233 Advanced Drawing (Total Units 3.0 - 3.0)
ART241 Intermediate Painting (Total Units 3.0 - 3.0)
ART242 Advanced Painting (Total Units 3.0 - 3.0)
ART249 Intermediate Digital Photography (Total Units 3.0 - 3.0)
ART250 Advanced Studio Concepts (Total Units 3.0 - 3.0)
CMPR105 Visual BASIC Programming (Total Units 3.0 - 3.0)

**Control Number:** 11921

## Studio Arts, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 24.0 - 24.0

The Associate in Arts in Studio Arts for Transfer degree provides students with an opportunity to explore studio arts both conceptually and aesthetically by utilizing critical analysis and experimental practice. Possible careers in fine arts are studio artist, art educator, art designer, gallery personnel, museum technician, illustrator, digital media artist, animator and related fields. Successful completion of the transfer degree in studio arts guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in studio arts or a related field.

**Program Rules:** Studio Arts, AA-T (Total Units 24.0 - 24.0)

All of the following

***Major requirements: (Total Units 18.0 - 18.0)***

The following number of Units

**When an honors course is available, students can (Total Units 0.0 - 0.0)**

ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ART110 Two-Dimensional Design (Total Units 3.0 - 3.0)
ART111 Three-Dimensional Design (Total Units 3.0 - 3.0)
ART130 Introduction to Drawing (Total Units 3.0 - 3.0)
ART141 Beginning Painting (Total Units 3.0 - 3.0)

**Select two (2) courses from the following (List B): (Total Units 6.0 - 6.0)**

The following number of Units

ART128 Introduction to Illustration (Total Units 3.0 - 3.0)
ART131 Beginning Life Drawing (Total Units 3.0 - 3.0)
ART149 Introduction to Digital Photography (Total Units 3.0 - 3.0)
ART195 Introduction to Digital Media Arts (Total Units 3.0 - 3.0)
ART230 Intermediate Drawing (Total Units 3.0 - 3.0)
ART231 Intermediate Life Drawing (Total Units 3.0 - 3.0)
ART232 Advanced Life Drawing (Total Units 3.0 - 3.0)
ART233 Advanced Drawing (Total Units 3.0 - 3.0)
ART241 Intermediate Painting (Total Units 3.0 - 3.0)
ART242 Advanced Painting (Total Units 3.0 - 3.0)

**Control Number:** 31715

# ASTRONOMY

## Astronomy, AS

***A.S. Degree Major***

**Unit Range for Completion:** 25.0 - 25.0

The Associate of Science degree in Astronomy provides a foundation in astronomy and physics for students planning to transfer into a baccalaureate program in astronomy, astrophysics or astronomy education leading to a career in astronomy and/or physics research, education, or technology and programming.

**Program Rules:** Astronomy, AS (Total Units 25.0 - 25.0)

The following number of Units

***Astronomy (Total Units 4.0 - 4.0)***

All of the following

ASTR100L Astronomy Laboratory (Total Units 1.0 - 1.0)
ASTR102 Introduction to Stars and Galaxies (Total Units 3.0 - 3.0)

***Astronomy (Total Units 3.0 - 6.0)***

At least one of the following
ASTR103 Introduction to the Solar System (Total Units 3.0 - 3.0)
ASTR112 Introduction to Cosmology (Total Units 3.0 - 3.0)
***Astronomy (Total Units 18.0 - 18.0)***
All of the following
CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)
PHYS250A Physics for Scientists and Engineers I (Total Units 5.0 - 5.0)
PHYS250B Physics for Scientists and Engineers II (Total Units 5.0 - 5.0)
PHYS250C Physics for Scientists and Engineers III (Total Units 5.0 - 5.0)
**Control Number:** 33223

# BIOLOGY

## Biology, AS

***A.S. Degree Major***
**Unit Range for Completion:** 25.0 - 25.0
The Associate of Science degree in Biology prepares students for transfer to a four-year institution leading to a baccalaureate degree in biology or disciplines such as microbiology, botany, zoology, and careers in teaching, medicine and health sciences.
**Program Rules:** Biology, AS (Total Units 25.0 - 25.0)
The following number of Units
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
BIOL221 Animal Diversity and Evolution (Total Units 5.0 - 5.0)
BIOL231 Plant Diversity and Ecology (Total Units 5.0 - 5.0)
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)
***Rule Group (Total Units 5.0 - 10.0)***
At least one of the following
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
**Control Number:** 11856

## Biology, AS-T

***A.S. Degree for Transfer***
**Unit Range for Completion:** 37.0 - 37.0
The Associate in Science in Biology for Transfer degree prepares students for transfer to a four-year institution leading to a baccalaureate degree in biology or disciplines such as microbiology, botany, zoology, and careers in teaching, medicine and health sciences.
**Program Rules:** Biology, AS-T (Total Units 37.0 - 37.0)
The following number of Units
***Rule Group (Total Units 15.0 - 15.0)***
All of the following
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
BIOL221 Animal Diversity and Evolution (Total Units 5.0 - 5.0)
BIOL231 Plant Diversity and Ecology (Total Units 5.0 - 5.0)
***Rule Group (Total Units 5.0 - 15.0)***
At least one of the following
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)
***Rule Group (Total Units 4.0 - 8.0)***
At least one of the following
MATH180 Single Variable Calculus I (Total Units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I (Total Units 4.0 - 4.0)
***Rule Group (Total Units 8.0 - 8.0)***
All of the following
PHYS150A Introductory Physics I (Total Units 4.0 - 4.0)
PHYS150B Introductory Physics II (Total Units 4.0 - 4.0)
**Control Number:** 35110

## Biotechnology Biomanufacturing Technician, CA

***Certificate of Achievement***
**Unit Range for Completion:** 19.0 - 19.0
The Certificate of Achievement in Biotechnology Biomanufacturing Technician is designed for students who wish to obtain the skills required to gain employment in industries influenced by biotechnology as well as for incumbent workers seeking career opportunities. Upon completion of this certificate program, students will be eligible to obtain employment as laboratory assistants or biomanufacturing technicians.
**Program Rules:** Biotechnology Biomanufacturing Technician, CA (Total Units 19.0 - 19.0)
The following number of Units
***Rule Group (Total Units 14.0 - 14.0)***
All of the following
BIOL190 Introduction to Biotechnology (Total Units 3.0 - 3.0)
BIOL190L Introduction to Biotechnology Lab (Total Units 1.0 - 1.0)
BIOL191 Biotech A: Basic Lab Skills (Total Units 4.0 - 4.0)
BIOL192 Biotech B: Proteins (Total Units 4.0 - 4.0)
BIOL194 Quality and Regulatory Compliance in Biosciences (Total Units 2.0 - 2.0)
***Rule Group (Total Units 5.0 - 10.0)***
At least one of the following
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
**Control Number:** 32598

## Biotechnology Fundamentals, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 8.0 - 8.0
The Certificate of Proficiency in Biotechnology Fundamentals is designed for students who wish to explore the field of biotechnology and obtain the basic skills required to gain employment in industries influenced by biotechnology as well as for students interested in pursuing laboratory work at the university level. Upon completion of this certificate program, students will be eligible to obtain employment as entry-level laboratory assistants.
**Program Rules:** Biotechnology Fundamentals, CERT (Total Units 8.0 - 8.0)
All of the following
BIOL190 Introduction to Biotechnology (Total Units 3.0 - 3.0)
BIOL190L Introduction to Biotechnology Lab (Total Units 1.0 - 1.0)
BIOL191 Biotech A: Basic Lab Skills (Total Units 4.0 - 4.0)
**Control Number:** None

## Biotechnology Lab Assistant, CA

***Certificate of Achievement***
**Unit Range for Completion:** 12.0 - 13.0
The Certificate of Achievement in Biotechnology Lab Assistant is designed for students who wish to obtain the skills required to gain employment in industries influenced by biotechnology as well as for incumbent workers seeking career opportunities. Upon completion of this certificate program, students will be eligible to obtain employment as laboratory assistants.
**Program Rules:** Biotechnology Lab Assistant, CA (Total Units 12.0 - 13.0)
The following number of Units
***Certificate Requirements: (Total Units 8.0 - 8.0)***
All of the following
BIOL191 Biotech A: Basic Lab Skills (Total Units 4.0 - 4.0)
CHEM100 Introductory Chemistry (Total Units 4.0 - 4.0)
**Select BIOL 190/190L or BIOL 211: (Total Units 4.0 - 5.0)**

The following number of Units
BIOLI90 Introduction to Biotechnology (Total Units 3.0 - 3.0)
BIOLI90L Introduction to Biotechnology Lab (Total Units 1.0 - 1.0)
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
**Control Number:** 40639

## Biotechnology Laboratory Technician: Food Safety, CA

***Certificate of Achievement***
**Unit Range for Completion:** 10.0 - 11.0
The Certificate of Achievement in Biotechnology Laboratory Technician of Food Safety is designed for students who wish to obtain the skills required to gain employment in industries influenced by biotechnology within the food industry as well as for incumbent workers seeking career opportunities. Upon completion of this certificate program, students will be eligible to obtain employment as laboratory assistants or quality assurance/ quality control (QA/QC) technicians, especially within the food industry.
**Program Rules:** Biotechnology Laboratory Technician: Food Safety, CA (Total Units 10.0 - 11.0)
The following number of Units
BIOLI91 Biotech A: Basic Lab Skills (Total Units 4.0 - 4.0)
BIOLI96 Food Safety (Total Units 2.0 - 2.0)
**Select BIOL 190/190L or BIOL 211 (Total Units 0.0 - 0.0)**
BIOLI90 Introduction to Biotechnology (Total Units 3.0 - 3.0)
BIOLI90L Introduction to Biotechnology Lab (Total Units 1.0 - 1.0)
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
**Control Number:** 32648

## Biotechnology, AS

***A.S. Degree Major***
**Unit Range for Completion:** 34.0 - 34.0
The Associate of Science degree in Biotechnology is designed for students who wish to obtain the skills required to gain employment in industries influenced by biotechnology as well as for incumbent workers seeking career opportunities. Upon completion of this program, students will be eligible to obtain employment as laboratory assistants, biomanufacturing technicians, or research and development technicians. This degree can help prepare for transfer to the Biomanufacturing B.S. degree at Mira Costa or Solano Community Colleges. Additional coursework is required for entry to the B.S. programs at these campuses. Please see a counselor for guidance.
**Program Rules:** Biotechnology, AS (Total Units 34.0 - 34.0)
All of the following
***Major Requirements: (Total Units 29.0 - 29.0)***
The following number of Units
BIOLI90 Introduction to Biotechnology (Total Units 3.0 - 3.0)
BIOLI90L Introduction to Biotechnology Lab (Total Units 1.0 - 1.0)
BIOLI91 Biotech A: Basic Lab Skills (Total Units 4.0 - 4.0)
BIOLI92 Biotech B: Proteins (Total Units 4.0 - 4.0)
BIOLI93 Biotech C: Nucleic Acids (Total Units 4.0 - 4.0)
BIOLI94 Quality and Regulatory Compliance in Biosciences (Total Units 2.0 - 2.0)
BIOL202 Cell Culture Techniques (Total Units 2.0 - 2.0)
**CHEM200A/200AH are considered the same course. Please select one course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
**STAT C1000/C1000H and C1000E are considered the same course. Please select one. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
**Please select one (1) from the following: (Total Units 5.0 - 5.0)**
The following number of Units
***If planning to transfer to the Biomanufacturing B.S. programs, students must take BIOL 211 instead of BIOL 229. (Total Units 0.0 - 0.0)**
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
**Control Number:** 32599

## Clinical Genetics and Molecular Biology Scientist (CGMBS) Training Program, CA

***Certificate of Achievement***
**Unit Range for Completion:** 9.0 - 9.0
The Certificate of Achievement is post-baccalaureate training that prepares graduates for positions as Clinical Genetic Molecular Biologist Scientists (CGMBS). A licensed CGMBS performs specialized molecular biology diagnostic tests in hospital clinical laboratories, in commercial reference laboratories, or in research and development for biotech companies. The Clinical Genetic Molecular Biologist Scientist Training Program consists of two components, a didactic component that will be held on campus at SCC and a clinical practical training component at various approved training sites. The mission of the program is to prepare laboratory professionals with the technical, critical thinking, and management skills that will allow them to function at the highest level in the clinical laboratory, assume leadership roles in their working environment, and become leaders in their profession. In addition, we strive to instill in our trainees a love of continuous learning in and beyond their discipline. Students must complete this one-year program approved by the California Department of Public Health to be eligible for the ASCP exam and receive licensure upon passing.
**Program Rules:** Clinical Genetics and Molecular Biology Scientist (CGMBS) Training Program, CA (Total Units 9.0 - 9.0)
All of the following
***Certificate Requirements: (Total Units 9.0 - 9.0)***
All of the following
BIOL060A Advanced Studies in Molecular Diagnostics - A (Total Units 4.5 - 4.5)
BIOL060B Advanced Studies in Molecular Diagnostics - B (Total Units 4.5 - 4.5)
**Control Number:** 45533

## General Biotechnology Technician, CA

***Certificate of Achievement***
**Unit Range for Completion:** 30.0 - 35.0
The Certificate of Achievement in Biotechnology Laboratory Technician is designed for students who wish to obtain the skills required to gain employment in industries influenced by biotechnology as well as for incumbent workers seeking career opportunities. Upon completion of this certificate program, students will be eligible to obtain employment as laboratory assistants, biomanufacturing technicians, or research and development technicians.
**Program Rules:** General Biotechnology Technician, CA (Total Units 30.0 - 35.0)
All of the following
***Certificate Requirements: (Total Units 24.0 - 25.0)***
The following number of Units

**Please select BIOL190 and 190L (4 units) OR BIOL211 (5 units). (Total Units 0.0 - 0.0)**
BIOL190 Introduction to Biotechnology (Total Units 3.0 - 3.0)
BIOL190L Introduction to Biotechnology Lab (Total Units 1.0 - 1.0)
BIOL191 Biotech A: Basic Lab Skills (Total Units 4.0 - 4.0)
BIOL192 Biotech B: Proteins (Total Units 4.0 - 4.0)
BIOL193 Biotech C: Nucleic Acids (Total Units 4.0 - 4.0)
BIOL194 Quality and Regulatory Compliance in Biosciences (Total Units 2.0 - 2.0)
BIOL202 Cell Culture Techniques (Total Units 2.0 - 2.0)
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
**CHEM200A/200AH are considered the same course. Please select one. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
**Select a minimum of six (6) units from the following (may not be a course used to satisfy the certificate requirements): (Total Units 6.0 - 10.0)**
The following number of Units
BIOL139 Health Microbiology (Total Units 4.0 - 4.0)
BIOL177 Human Genetics (Total Units 3.0 - 3.0)
BIOL197 Science, Technology, Engineering and Mathematics (STEM) Internship (Total Units 1.0 - 4.0)
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL290 Biochemistry and Molecular Biology (Total Units 5.0 - 5.0)
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)

**Control Number:** 32602

## Pre-Nursing and Allied Health Science, AS

***A.S. Degree Major***
**Unit Range for Completion:** 27.0 - 28.5
The Associate of Science degree in Pre-Nursing and Allied Health Science prepares students for transfer to a two-year Associate Degree in Nursing, a four-year institution leading to a baccalaureate degree in nursing, or other health science career programs. Students majoring in Nursing or any other Allied Health major should inquire with a counselor regarding major courses and transfer institution requirements.
**Program Rules:** Pre-Nursing and Allied Health Science, AS (Total Units 27.0 - 28.5)
All of the following
***Chemistry (Total Units 4.0 - 5.0)***
The following number of Units
CHEM100 Introductory Chemistry (Total Units 4.0 - 4.0)
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
***Biology (Total Units 13.0 - 13.0)***
The following number of Units
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
***Freshman Composition (Total Units 4.0 - 4.5)***
The following number of Units
ENGLC1000 Academic Reading and Writing (Total Units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (Total Units 4.0 - 4.0)
***Psychology (Total Units 3.0 - 3.0)***
The following number of Units
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
***Sociology (Total Units 3.0 - 3.0)***
The following number of Units
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
SOC115 Death and Dying (Total Units 3.0 - 3.0)

**Control Number:** 41770

# BUSINESS

## Business Administration 2.0, AS-T

***A.S. Degree for Transfer***
**Unit Range for Completion:** 28.0 - 29.5
The Associate in Science in Business Administration for Transfer degree provides students with a comprehensive business education in the principles and practices of all phases of business. A student graduating with an Associate of Science degree in Business for Transfer will seamlessly transfer to a California State University (CSU) to complete a bachelor's degree. Completion of the requirements guarantees students the ability to transfer to a CSU school. Students will be able to pursue a baccalaureate degree and prepare to pursue a career in the field of business, industry, or government.
**Program Rules:** Major Reqirements (Total Units 28.0 - 29.5)
The following number of Units
***Complete all the following (Total Units 17.0 - 17.0)***
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)
BUS105 Legal Environment of Business (Total Units 3.0 - 3.0)
ECON101 Principles/Micro - This course is now ECONC2001 (Total Units 3.0 - 3.0)
ECON102 Principles/Macro (Total Units 3.0 - 3.0)
**Select One (1) Course (Total Units 4.0 - 13.0)**
At least one of the following
MATH150 Calculus for Biological, Management, and Social Sciences (Total Units 5.0 - 5.0)
MATH180 Single Variable Calculus I - This course is now MATHC2210 (Total Units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I - This course is now MATHC2210H (Total Units 4.0 - 4.0)
**Select One (1) Course (Total Units 4.0 - 12.5)**
At least one of the following
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
**Select One (1) Course (Total Units 3.0 - 6.0)**
At least one of the following
BUS100 Fundamentals of Business (Total Units 3.0 - 3.0)
BUS222 Business Writing (Total Units 3.0 - 3.0)

**Control Number:** 42991

## Business Administration, AS

***A.S. Degree Major***
**Unit Range for Completion:** 26.0 - 28.0
The Associate of Science degree in Business Administration enables students to transfer to a four-year institution leading to a baccalaureate degree. Career opportunities exist in many areas of business administration such as accounting, financial planning and analysis, financial service specialties, management, marketing and sales, production and logistics, and systems and technology development.
**Program Rules:** Business Administration, AS (Total Units 26.0 - 28.0)
All of the following

***Major requirements: (Total Units 23.0 - 23.0)***
The following number of Units
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)
BUS105 Legal Environment of Business (Total Units 3.0 - 3.0)
BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)
BUS222 Business Writing (Total Units 3.0 - 3.0)
ECON101 Principles/Micro (Total Units 3.0 - 3.0)
ECON102 Principles/Macro (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 3.0 - 5.0)**
The following number of Units
***Rule Group (Total Units 14.0 - 14.0***)
All of the following
BUS100 Fundamentals of Business (Total Units 3.0 - 3.0)
MATH150 Calculus for Biological, Management and Social Sciences (Total Units 5.0 - 5.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 6.0)***
At least one of the following
BUS120 Principles of Management (Total Units 3.0 - 3.0)
MGMT120 Principles of Management (Total Units 3.0 - 3.0)
**Control Number:** 11857

# Business Information Worker, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 12.0
The certificate of proficiency in Business Information Worker (BIW) is designed to prepare students for entry-level office and administrative support in a variety of job positions, including general office clerks, retail salespersons, customer service representatives, receptionists, and information clerks. With solid foundation in Microsoft Windows and Office, as well as strong digital and web literacy skills, students will be prepared to meet the workforce demands of today's business environment
**Program Rules:** Business Information Worker, CERT (Total Units 12.0 - 12.0)
The following number of Units
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 6.0)***
At least one of the following
BUS121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
MGMT121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 6.0)***
At least one of the following
BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)
CMPR100 The Computer and Society (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 6.0)***
At least one of the following
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
**Control Number:** None

# Business Management, AS

***A.S. Degree Major***
**Unit Range for Completion:** 21.0 - 22.0
The Associate of Science degree in Business Management is designed to enable students to handle basic problems encountered in managing within a business environment including the managing of a marketing program, the making of decisions and problem solving, the coordinating of activities, the influencing of staff, and the understanding of finance. Entry-level careers include management trainees and assistant managers or supervisors.
**Program Rules:** Business Management, AS (Total Units 21.0 - 22.0)
All of the following
***Major requirements: (Total Units 15.0 - 16.0)***
The following number of Units
***Rule Group (Total Units 3.0 - 7.0***)
At least one of the following
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
BUS100 Fundamentals of Business (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 6.0)***
At least one of the following
BUS120 Principles of Management (Total Units 3.0 - 3.0)
MGMT120 Principles of Management (Total Units 3.0 - 3.0)
***Rule Group (Total Units 6.0 - 6.0***)
All of the following
BUS222 Business Writing (Total Units 3.0 - 3.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
**Select two (2) courses from the following: (Total Units 6.0 - 6.0)**
The following number of Units
***Rule Group (Total Units 12.0 - 12.0***)
All of the following
BUS105 Legal Environment of Business (Total Units 3.0 - 3.0)
BUS127 Introduction to E-Commerce (Total Units 3.0 - 3.0)
BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)
MGMT135 Human Resource Management (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 6.0***)
At least one of the following
BUS121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
MGMT121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
**Control Number:** 11859

# Business Management, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 13.0
The Certificate of Proficiency in Business Management is designed to enable students to handle basic problems encountered in managing within a business environment. Entry-level careers include management trainees and assistant managers or supervisors.
**Program Rules:** Business Management, CERT (Total Units 12.0 - 13.0)
All of the following
***Certificate Requirements: (Total Units 9.0 - 10.0)***
The following number of Units
**Select one (1) course: ACCT 100 or ACCT 101 (Total Units 0.0 - 0.0)**
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
**Select one (1) course: BUS 150 or CMPR 100 (Total Units 0.0 - 0.0)**
BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)
CMPR100 The Computer and Society (Total Units 3.0 - 3.0)
**Select one (1) course: BUS 222 or MGMT 122 (Total Units 0.0 - 0.0)**
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 3.0 - 3.0)**
The following number of Units

BUS100 Fundamentals of Business (Total Units 3.0 - 3.0)
BUS120 Principles of Management (Total Units 3.0 - 3.0)
MGMT120 Principles of Management (Total Units 3.0 - 3.0)
**Control Number:** None

## Entrepreneurship, AS

***A.S. Degree Major***
**Unit Range for Completion:** 17.0 - 19.0
The Associate of Science degree in Entrepreneurship is designed to assist the student in the development of fundamental skills necessary to open and operate a small business and/or to continue the pursuit of a bachelor's degree at a four-year college or university. Students intending to obtain a bachelor's degree in Entrepreneurship should consult the major requirements for upper-division study listed under the Business Administration major.
**Program Rules:** Entrepreneurship, AS (Total Units 17.0 - 19.0)
All of the following
***Major requirements: (Total Units 15.0 - 16.0)***
The following number of Units
***Rule Group (Total Units 3.0 - 7.0)***
At least one of the following
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
***Rule Group (Total Units 12.0 - 12.0)***
All of the following
BUS170 Principles of Small Business Management (Total Units 3.0 - 3.0)
BUS171 Business Plan for Small Business (Total Units 3.0 - 3.0)
BUS175 Online Entrepreneurship (Total Units 3.0 - 3.0)
MKTG172 Small Business Marketing and Advertising (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 2.0 - 3.0)**
The following number of Units
ACCT035 QuickBooks (Total Units 2.0 - 2.0)
BUS127 Introduction to E-Commerce (Total Units 3.0 - 3.0)
**Control Number:** 11860

## Entrepreneurship, CA

***Certificate of Achievement***
**Unit Range for Completion:** 17.0 - 19.0
The Certificate of Achievement in Entrepreneurship is designed to assist the student in the development of fundamental skills necessary to open and operate a small business and/or to continue the pursuit of a bachelor's degree at a four-year college or university. Students intending to obtain a bachelor's degree in Entrepreneurship should consult the major requirements for upper-division study listed under the Business Administration major.
**Program Rules:** Entrepreneurship, CA (Total Units 17.0 - 19.0)
All of the following
***Certificate requirements: (Total Units 15.0 - 16.0)***
The following number of Units
***Rule Group (Total Units 3.0 - 7.0)***
At least one of the following
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
***Rule Group (Total Units 12.0 - 12.0)***
All of the following
BUS170 Principles of Small Business Management (Total Units 3.0 - 3.0)
BUS171 Business Plan for Small Business (Total Units 3.0 - 3.0)
BUS175 Online Entrepreneurship (Total Units 3.0 - 3.0)
MKTG172 Small Business Marketing and Advertising (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 2.0 - 3.0)**
The following number of Units
ACCT035 QuickBooks (Total Units 2.0 - 2.0)
BUS127 Introduction to E-Commerce (Total Units 3.0 - 3.0)
**Control Number:** 21635

# CHEMISTRY

## Chemistry, AS

***A.S. Degree Major***
**Unit Range for Completion:** 24.0 - 24.0
The Associate of Science degree in Chemistry provides basic courses for a wide variety of occupations, or prepares the student to enter a curriculum in a four-year institution leading to a baccalaureate degree. The major fields of chemistry are inorganic and organic chemistry, biochemistry, and chemical engineering. These fields provide career opportunities in industry, research, and teaching, and also entry into graduate or professional programs such as medicine, pharmacy and other related health fields.
**Program Rules:** Chemistry, AS (Total Units 24.0 - 24.0)
The following number of Units
***Rule Group (Total Units 5.0 - 10.0)***
At least one of the following
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
***Rule Group (Total Units 15.0 - 15.0)***
All of the following
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)
CHEM280A Organic Chemistry A (Total Units 5.0 - 5.0)
CHEM280B Organic Chemistry B (Total Units 5.0 - 5.0)
***Rule Group (Total Units 4.0 - 8.0)***
At least one of the following
MATH180 Single Variable Calculus I (Total Units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I (Total Units 4.0 - 4.0)
**Control Number:** 11933

# CHILD DEVELOPMENT

## Child and Adolescent Development, AA-T

***A.A. Degree for Transfer***
**Unit Range for Completion:** 19.0 - 19.0
The Associate in Arts in Child and Adolescent Development for Transfer (AA-T) prepares a student to enter a California State University (CSU) as a junior to complete a baccalaureate degree in Child Development, Human Development, Child and Adolescent Studies, or Early Childhood Education.Upon completion of the AA-T in Child and Adolescent Development, students will have a general understanding of developmental theories as they pertain to the development, care, and education of young children. Students will demonstrate skill and knowledge in preparing developmentally-appropriate environments, curriculum, and assessments as they work professionally with families and team members and qualify for a Children's Center Permit.
**Program Rules:** Child and Adolescent Development, AA-T (Total Units 19.0 - 19.0)
All of the following
***Major requirements: (Total Units 13.0 - 13.0)***
The following number of Units

***Major Requirements (Total Units 6.0 - 6.0)***
All of the following
CDEV107 Child Growth and Development (DS1) (Total Units 3.0 - 3.0)
CDEV110 Child, Family and Community (DS2) (Total Units 3.0 - 3.0)
***Mathematics Requirement (Total Units 4.0 - 12.5)***
At least one of the following
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
***Psychology Requirement (Total Units 3.0 - 6.0)***
At least one of the following
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
**Select two (2) courses from the following (List A): (Total Units 6.0 - 6.0)**
The following number of Units
CDEV108 Observation and Assessment for Early Learning and ***Development (DS3) (Total Units 3.0 - 3.0)***
CDEV112 Health, Safety and Nutrition for Children (Total Units 3.0 - 3.0)
CDEV116A Infant/Toddler Growth and Development (DS4) (Total Units 3.0 - 3.0)
CDEV221 Living and Teaching in a Diverse Society (Total Units 3.0 - 3.0)

**Control Number:** 35593

# Early Childhood Education, AS-T

***A.S. Degree for Transfer***
**Unit Range for Completion:** 24.5 - 24.5
The Associate Degree in Science in Early Childhood Education prepares students to transfer into a baccalaureate degree program in Child Development or a related field of study. Students will gain general knowledge and experience in early childhood education topics enabling them to obtain a Child Development Center Permit and meet the standards set forth by the National Association for the Education of Young Children for appropriate teaching practices in early learning settings.
**Program Rules:** Early Childhood Education, AS-T (Total Units 24.5 - 24.5)
The following number of Units
CDEV107 Child Growth and Development (DS1) (Total Units 3.0 - 3.0)
CDEV108 Observation and Assessment for Early Learning and Development (DS3) (Total Units 3.0 - 3.0)
CDEV110 Child, Family and Community (DS2) (Total Units 3.0 - 3.0)
CDEV111A Principles and Practices of Teaching Young Children (Total Units 3.0 - 3.0)
CDEV111B Introduction to Curriculum for Young Children (Total Units 3.0 - 3.0)
CDEV112 Health, Safety and Nutrition for Children (Total Units 3.0 - 3.0)
CDEV221 Living and Teaching in a Diverse Society (Total Units 3.0 - 3.0)
CDEV298A Practicum in Early Childhood Programs (Total Units 3.5 - 3.5)

**Control Number:** 35614

# Early Childhood Leadership and Administration, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 16.0 - 17.0
The Early Childhood Administrative Certificate provides the educational coursework that prepares directors, supervisors, and managers for early childhood work settings serving children from infancy through age 8. Topics include: communication, curriculum, documentation and interpretation, culturally relevant approaches to teaching and learning that include developmentally appropriate, respectful, supportive relationships with children and families, administration, marketing, and management issues, and self-care and work-life balance related to the operation of center-based early childhood education programs. Fieldwork or field-based assignments may be required. Updated immunizations per state regulations are required. A negative TB test result and state-mandated immunizations are required for certificate completion.
**Program Rules:** Early Childhood Leadership and Administration, CERT (Total Units 16.0 - 17.0)
All of the following
***Certificate requirements: Select six (6) courses. (Total Units 14.0 - 14.0)***
The following number of Units
CDEV215 Administration I: Programs in Early Childhood Education (DS6) (Total Units 3.0 - 3.0)
CDEV216 Administration II: Personnel and Leadership in Early Childhood Education (DS6) (Total Units 3.0 - 3.0)
CDEV260 Adult Supervision and Mentoring in Early Learning and Education Programs (Total Units 2.0 - 2.0)
COMM100 Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)
COMM100H Honors Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)
COMM101 Group Dynamics (Total Units 3.0 - 3.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
MKTG172 Small Business Marketing and Advertising (Total Units 3.0 - 3.0)
**Please select COMM100 or COMM100H or COMM101. Credit will only be awarded for one course. (Total Units 0.0 - 0.0)**
**Please select MKTG113 or MKTG172. Credit will only be awarded for one course. (Total Units 0.0 - 0.0)**
***Electives - Select one (1) course. (Total Units 2.0 - 3.0)***
The following number of Units
CDEV221 Living and Teaching in a Diverse Society (Total Units 3.0 - 3.0)
CDEV233 Brain-Compatible Guidance and Behavior Management in Early Learning Environments (Total Units 3.0 - 3.0)
COMM100 Introduction to Interpersonal Communication (Total Units 2.0 - 2.0)
COMM100H Honors Introduction to Interpersonal Communication (Total Units 2.0 - 2.0)
COMM101 Group Dynamics (Total Units 3.0 - 3.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
MKTG172 Small Business Marketing and Advertising (Total Units 3.0 - 3.0)
**An additional course not used above (may not be a course used to satisfy the requirements from above) (Total Units 0.0 - 0.0)**

**Control Number:** None

# Infant/Toddler, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 15.0 - 15.0
The Certificate of Proficiency in Infant/Toddler meets the minimum requirements for beginning early learning professionals employed or seeking employment as teachers and/or aides in privately owned and church affiliated (Title 22) or publicly funded (Title 5) programs serving infants and toddlers. This certificate is also recommended for licensed Family Day Care Providers or Nannies.
**Program Rules:** Infant/Toddler, CERT (Total Units 15.0 - 15.0)
The following number of Units
CDEV107 Child Growth and Development (DS1) (Total Units 3.0 - 3.0)
CDEV108 Observation and Assessment for Early Learning and

Development (DS3) (Total Units 3.0 - 3.0)
CDEV110 Child, Family and Community (DS2) (Total Units 3.0 - 3.0)
CDEV116A Infant/Toddler Growth and Development (DS4) (Total Units 3.0 - 3.0)
CDEV116B Care and Education for Infants and Toddlers (DS3) (Total Units 3.0 - 3.0)
**Control Number:** None

## Level I - Early Childhood Exceptional Needs, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 7.0 - 10.0
The Level I - Early Childhood Exceptional Needs Certificate of Proficiency is an introductory professional development certificate for students working with children with disabilities and exceptional needs in public (Title.5) and private(Title.22) early intervention, special education, and educational settings that serve children with typical and atypical development and their families. This certificate will focus on defining typical and atypical development, the historical and societal influences, regulations, and the identification and referral processes leading to appropriate intervention. Field trips may be required. All state-mandated vaccinations must be completed.
**Program Rules:** Level I - Early Childhood Exceptional Needs, CERT (Total Units 7.0 - 10.0)
The following number of Units
CDEV107 Child Growth and Development (DS1) (Total Units 3.0 - 3.0)
CDEV202 Introduction to Children from Special Populations (Total Units 3.0 - 3.0)
CDEV299 Cooperative Work Experience Education (Total Units 1.0 - 4.0)
**Control Number:** None

## Level II - Early Childhood Exceptional Needs, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 10.0 - 13.0
The Level II - Early Childhood Exceptional Needs Certificate of Proficiency is an intermediate professional development certificate for students working with children with disabilities and special needs in public and private early intervention, special education, and educational settings that serve children with typical and atypical development and their families. This certificate will focus on the role of the teacher in designing and implementing curriculum and strategies that support young children's development. Typical and atypical development, the historical and societal influences, regulations, and the identification and referral processes leading to appropriate intervention and strategies will be addressed. Field trips may be required. All state-mandated vaccinations must be completed.
**Program Rules:** Level II - Early Childhood Exceptional Needs, CERT (Total Units 10.0 - 13.0)
The following number of Units
CDEV107 Child Growth and Development (DS1) (Total Units 3.0 - 3.0)
CDEV202 Introduction to Children from Special Populations (Total Units 3.0 - 3.0)
CDEV203 Curriculum and Intervention Strategies for Special Populations (Total Units 3.0 - 3.0)
CDEV299 Cooperative Work Experience Education (Total Units 1.0 - 4.0)
**Control Number:** None

## Preschool, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 15.0 - 15.0
The Certificate of Proficiency in Preschool meets the minimum California Community Care Licensing requirements for beginning early learning professionals employed or seeking employment as teachers and/or aides in privately owned or religious affiliated (Title 22) or publically funded (Title 5) programs serving preschoolers 2-5. This certificate is also recommended for licensed family child care providers, nannies, or early childhood recreation workers. Completion of this award leads to the Preschool Children's Center Permit.
**Program Rules:** Preschool, CERT (Total Units 15.0 - 15.0)
The following number of Units
CDEV107 Child Growth and Development (DS1) (Total Units 3.0 - 3.0)
CDEV108 Observation and Assessment for Early Learning and Development (DS3) (Total Units 3.0 - 3.0)
CDEV110 Child, Family and Community (DS2) (Total Units 3.0 - 3.0)
CDEV111A Principles and Practices of Teaching Young Children (Total Units 3.0 - 3.0)
CDEV111B Introduction to Curriculum for Young Children (Total Units 3.0 - 3.0)
**Control Number:** None

## The School-Age Child, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 15.0 - 15.0
The Certificate of Proficiency in the School-Age Child is intended to prepare students to meet California Community Care Licensing requirements for positions requiring practical skills and knowledge to work with school-age children (PreK-Grade 3) in Title 22 (privately owned), Title 5 (publically funded) or religious affiliated after-school programs, family child care homes, cruise or camp settings, or nannies. Completion of this certificate leads to a School-Age Children's Center Permit.
**Program Rules:** The School-Age Child, CERT (Total Units 15.0 - 15.0)
The following number of Units
CDEV110 Child, Family and Community (DS2) (Total Units 3.0 - 3.0)
CDEV112 Health, Safety and Nutrition for Children (Total Units 3.0 - 3.0)
CDEV120A Development of the School-Age Child (DS5) (Total Units 3.0 - 3.0)
CDEV120B School-Age Child Care and Recreation Activities (DS5) (Total Units 3.0 - 3.0)
CDEV221 Living and Teaching in a Diverse Society (Total Units 3.0 - 3.0)
**Control Number:** None

# COMMUNICATION

## Communication Studies 2.0, AA-T

***A.A. Degree for Transfer***
**Unit Range for Completion:** 18.0 - 25.0
The Associate in Arts in Communication Studies for Transfer degree provides training to build and maintain personal and professional relationships through effective communication. Completion of the transfer degree in Communication prepares students to: (1) Communicate with clarity and accuracy in diverse environments, (2) Act with awareness of self amongst local and global communities, (3) Think critically, creatively and reflectively, and (4) Learn about the self in professional and interpersonal relationships. Successful completion of the transfer degree in Communication guarantees the student acceptance

to a local California State University to pursue a baccalaureate degree, in preparation to pursue a career in the field of business, industry, government, social service, and/or education in such areas as teaching, public speaking, consulting, law, announcing, and public relations.
**Program Rules:** Communication Studies 2.0, AA-T (Total Units 18.0 - 25.0)
All of the following
***Major Requirements: (Total Units 6.0 - 6.0)***
The following number of Units
COMM100 and COMM100H are considered the same course. Credit will be awarded for only once course. Select one. (Total Units 0.0 - 0.0)
COMM100 Introduction to Interpersonal Communication - This course is now COMMC1004 (Total Units 3.0 - 3.0)
COMM100H Honors Introduction to Interpersonal Communication - This course is now COMMC1004H (Total Units 3.0 - 3.0)
COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)
**List A - Select three (3) courses: (Total Units 9.0 - 15.0)**
The following number of Units
CINE105 Mass Media and Society (Total Units 3.0 - 3.0)
COMM101 Group Dynamics (Total Units 3.0 - 3.0)
COMM111 Argumentation and Debate (Total Units 3.0 - 3.0)
COMM120 and COMM120H are considered the same course.
**Credit will be awarded for only once course. Select one. (Total Units 0.0 - 0.0)**
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
COMM130 Forensics Team (Total Units 4.0 - 6.0)
COMM134 Oral Interpretation (Total Units 3.0 - 3.0)
COMM230 Advanced Forensics Team (Total Units 4.0 - 6.0)
**List B - Select one (1) course: (Total Units 3.0 - 4.0)**
The following number of Units
**Any LIST A course not already used. (Total Units 0.0 - 0.0)**
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
COMM135 Readers' Theatre (Total Units 3.0 - 3.0)
COMM190 Communication and New Media (Total Units 3.0 - 3.0)
COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
ENGLC1000 Academic Reading and Writing (Total Units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (Total Units 4.0 - 4.0)
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 4.0 - 4.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 4.0 - 4.0)
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
**Control Number:** 299

# Communication Studies, AA-T

***A.A. Degree for Transfer***
**Unit Range for Completion:** 18.0 - 21.0
The Associate in Arts in Communication Studies for Transfer degree provides training to build and maintain personal and professional relationships through effective communication. Completion of the transfer degree in Communication prepares students to: (1) Communicate with clarity and accuracy in diverse environments, (2) Act with awareness of self amongst local and global communities, (3) Think critically, creatively and reflectively, and (4) Learn about the self in professional and interpersonal relationships. Successful completion of the transfer degree in Communication guarantees the student acceptance to a local California State University to pursue a baccalaureate degree, in preparation to pursue a career in the field of business, industry, government, social service, and/or education in such areas as teaching, public speaking, consulting, law, announcing, and public relations.
**Program Rules:** Communication Studies, AA-T (Total Units 18.0 - 21.0)
All of the following
***Major requirements: (Total Units 3.0 - 3.0)***
The following number of Units
COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)
**Select two (2) courses from the following (List A): (Total Units 6.0 - 6.0)**
The following number of Units
**An additional course from List A (may not be a course used to satisfy the requirements in List A) (Total Units 6.0 - 6.0)**
The following number of Units
**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
COMM100 Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)
COMM100H Honors Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)
COMM101 Group Dynamics (Total Units 3.0 - 3.0)
COMM111 Argumentation and Debate (Total Units 3.0 - 3.0)
**Select two (2) courses from the following (List B): (Total Units 6.0 - 6.0)**
The following number of Units
**An additional course from List A (may not be a course used to satisfy the requirements in List A) (Total Units 0.0 - 0.0)**
**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
COMM134 Oral Interpretation (Total Units 3.0 - 3.0)
**Select one (1) course from the following (List C): (Total Units 3.0 - 6.0)**
The following number of Units
**An additional course from List A (may not be a course used to satisfy the requirements in List A or B) (Total Units 0.0 - 0.0)**
COMM130 Forensics Team (Total Units 4.0 - 6.0)
COMM135 Readers' Theatre (Total Units 3.0 - 3.0)
COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
COMM230 Advanced Forensics Team (Total Units 4.0 - 6.0)
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 3.0 - 3.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 3.0 - 3.0)
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
**Control Number:** 30558

## Communication, AA

***A.A. Degree Major***

**Unit Range for Completion:** 18.0 - 18.0

The associate degree curriculum in communication provides training for communicating and dealing with people. Completion of the associate in arts degree in communication prepares students to: (1) Communicate with clarity and accuracy, and in diverse environments, (2) Act with awareness of self and both the local and global communities of persons, (3) Think critically, creatively and reflectively, and (4) Learn about self and others, academic and professional issues. The associate in arts in communication degree prepares the student to move into a curriculum at a four-year institution leading to a baccalaureate degree, and then into careers in the field of business, industry, government, social service, or education in such areas as teaching, public speaking, consulting, law, announcing, public speaking and public relations.

**Program Rules:** Communication, AA (Total Units 12.0 - 12.0)

All of the following

***Relationship Emphasis (Total Units 3.0 - 3.0)***

The following number of Units

COMM100 Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)

COMM100H Honors Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)

COMM101 Group Dynamics (Total Units 3.0 - 3.0)

***Delivery Emphasis (Total Units 3.0 - 3.0)***

The following number of Units

COMM111 Argumentation and Debate (Total Units 3.0 - 3.0)

COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)

***Diversity Emphasis (Total Units 3.0 - 3.0)***

The following number of Units

COMM120 Intercultural Communication (Total Units 3.0 - 3.0)

COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)

COMM225 Gender Communication (Total Units 3.0 - 3.0)

COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)

***Performance Emphasis (Total Units 3.0 - 3.0)***

The following number of Units

COMM130 Forensics Team (Total Units 6.0 - 6.0)

COMM134 Oral Interpretation (Total Units 3.0 - 3.0)

COMM135 Readers' Theatre (Total Units 3.0 - 3.0)

COMM230 Advanced Forensics Team (Total Units 6.0 - 6.0)

LIBI103 Advanced Internet Research (Total Units 1.5 - 1.5)

**Any of the above courses not already completed, but no more than two (2) additional units of Communication 130 or Communication 230 (Total Units 0.0 - 0.0)**

**Control Number:** 11929

# COMPUTER INFORMATION SYSTEMS

## Computer Information Systems, AS

***A.S. Degree Major***

**Unit Range for Completion:** 26.0 - 28.0

The Associate of Science degree in Computer Information Systems is concerned with the development of procedures which are effective and efficient, computer languages suitable for starting these procedures, and systems for executing the procedures. This may include the ability to write programs in Visual BASIC, C++ or Java and applications such as Excel. Graduates of the program are prepared for employment as trainees in information systems, computer programming, and systems analysis. Completion of the degree provides background for curriculum at a four-year institution such as the California State University system at Fullerton or Pomona. Students intending to obtain a bachelor's degree in Computer Information Systems should consult the major requirements for upper-division standing listed under the Business Administration major at the school of their choice.

**Program Rules:** Computer Information Systems, AS (Total Units 22.0 - 23.0)

All of the following

***Major requirements: (Total Units 19.0 - 19.0)***

The following number of Units

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)

BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)

BUS105 Legal Environment of Business (Total Units 3.0 - 3.0)

CIS106 Microsoft Excel (Total Units 3.0 - 3.0)

CMPR105 Visual BASIC Programming (Total Units 3.0 - 3.0)

CMPR112 Java Programming (Total Units 3.0 - 3.0)

CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 3.0 - 4.0)**

The following number of Units

***Rule Group (Total Units 16.0 - 16.0)***

All of the following

ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)

CIS103 Microsoft Word (Total Units 3.0 - 3.0)

ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)

CMPR121 Programming Concepts (Total Units 3.0 - 3.0)

CMPR213 C# Programming (Total Units 3.0 - 3.0)

***Rule Group (Total Units 3.0 - 6.0)***

At least one of the following

CIS110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)

PBLC110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)

**Control Number:** 11902

## Computer Information Systems, CA

***Certificate of Achievement***

**Unit Range for Completion:** 22.0 - 23.0

The Certificate of Achievement in Computer Information Systems is concerned with the development of procedures which are effective and efficient, computer languages suitable for starting these procedures, and systems for executing the procedures. This may include the ability to write programs in Visual BASIC, C++ or Java and applications such as Excel. Graduates of the program are prepared for employment as trainees in information systems, computer programming, and systems analysis. Completion of the degree provides background for curriculum at a four-year institution such as the California State University system a Fullerton or Pomona. Students intending to obtain a bachelor's degree in Computer Information Systems should consult the major requirements for upper-division standing listed under the Business Administration major at the school of their choice.

**Program Rules:** Computer Information Systems, CA (Total Units 22.0 - 23.0)

All of the following

***Certificate requirements: (Total Units 19.0 - 19.0)***

The following number of Units

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)

BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)

CIS106 Microsoft Excel (Total Units 3.0 - 3.0)

CMPR105 Visual BASIC Programming (Total Units 3.0 - 3.0)

CMPR112 Java Programming (Total Units 3.0 - 3.0)

CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 3.0 - 4.0)**

The following number of Units
***Rule Group (Total Units 16.0 - 16.0)***
All of the following
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)
CIS103 Microsoft Word (Total Units 3.0 - 3.0)
CMPR121 Programming Concepts (Total Units 3.0 - 3.0)
CMPR213 C# Programming (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 6.0)***
At least one of the following
CIS110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
**Control Number:** 21647

# COMPUTER SCIENCE

## Applied Robotics and Embedded Programming, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 9.0 - 9.0
The Certificate of Proficiency in Applied Robotics and Embedded Programming will lead to entry-level employment in computer science, engineering, and other areas where high aptitude in computer programming is recognized. The program prepares students for careers as robotics technicians, engineering technicians, and junior programmers.
**Program Rules:** Applied Robotics and Embedded Programming, CERT (Total Units 9.0 - 9.0)
The following number of Units
CMPR112 Java Programming (Total Units 3.0 - 3.0)
CMPR157 Introduction to Robotics (Total Units 3.0 - 3.0)
CMPR213 C# Programming (Total Units 3.0 - 3.0)
**Control Number:** None

## C++ Programming, CA

***Certificate of Achievement***
**Unit Range for Completion:** 9.0 - 9.0
The Certificate of Achievement in C++ Programming is designed to provide students with a strong foundation in C++ —a powerful and widely used programming language in software development, systems programming, and game development. This 9-unit certificate equips students with essential programming skills, including algorithm development, object-oriented programming, and problem-solving techniques. This certificate is ideal for students looking to strengthen their programming knowledge, support further study in computer science, or explore entry points into the field of software development.
**Program Rules:** C++ Programming, CA (Total Units 9.0 - 9.0)
All of the following
***Certificate Requirements (Total Units 9.0 - 9.0)***
The following number of Units
**Please select CMPR120 OR CMPR120H - Credit will only be given for one course. (Total Units 0.0 - 0.0)**
CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)
CMPR120H Honors Introduction to Programming (Total Units 3.0 - 3.0)
**Please select CMPR121 OR CMPR121H - Credit will only be given for one course. (Total Units 0.0 - 0.0)**
CMPR121 Programming Concepts (Total Units 3.0 - 3.0)
CMPR121H Honors Programming Concepts (Total Units 3.0 - 3.0)
CMPR131 Data Structures Concepts (Total Units 3.0 - 3.0)
**Control Number:** 45581

## Computer Science, AS

***A.S. Degree Major***
**Unit Range for Completion:** 18.0 - 18.0
The Associate of Science in Computer Science offers a blend of theoretical and practical knowledge in computer programming, data structures, and algorithms. Ideal for students seeking entry-level opportunities in software development or planning to continue their education, this program provides a strong basis in essential coding skills and problem-solving techniques. Graduates will be prepared to pursue roles in software development or related fields. This program also lays the groundwork for those intending to transfer to a four-year institution to pursue further education in Computer Science or related fields.
**Program Rules:** Computer Science, AS (Total Units 18.0 - 18.0)
The following number of Units
**Please select CIS111 OR CMPR111 OR CMPR112 - Credit will only be awarded for one course. (Total Units 0.0 - 0.0)**
CIS111 Python Programming (Total Units 3.0 - 3.0)
CMPR111 Python Programming Foundations (Total Units 3.0 - 3.0)
CMPR112 Java Programming (Total Units 3.0 - 3.0)
CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)
CMPR121 Programming Concepts (Total Units 3.0 - 3.0)
CMPR131 Data Structures Concepts (Total Units 3.0 - 3.0)
CMPR149 Discrete Structures for Computer Science (Total Units 3.0 - 3.0)
CMPR154 Computer Architecture and Organization (Total Units 3.0 - 3.0)
**Control Number:** 11903

## Computer Science, AS-T

***A.S. Degree for Transfer***
**Unit Range for Completion:** 30.0 - 30.0
The Associate in Science in Computer Science for Transfer prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree. Employment opportunities are available as programmers in government, business and education. Successful completion of the transfer degree in Computer Science guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Computer Science or a related field.
**Program Rules:** Computer Science, AS-T (Total Units 30.0 - 30.0)
All of the following
***Major Requirements: (Total Units 30.0 - 30.0)***
The following number of Units
**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
**Select MATH180 or MATH180H. Credit will be awarded for one or the other. (Total Units 0.0 - 0.0)**
CMPR121 Programming Concepts (Total Units 3.0 - 3.0)
CMPR131 Data Structures Concepts (Total Units 3.0 - 3.0)
CMPR149 Discrete Structures for Computer Science (Total Units 3.0 - 3.0)
CMPR154 Computer Architecture and Organization (Total Units 3.0 - 3.0)
MATH180 Single Variable Calculus I (Total Units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I (Total Units 4.0 - 4.0)
MATH185 Single Variable Calculus II - This course is now MATHC2220 (Total Units 4.0 - 4.0)
PHYS250A Physics for Scientists and Engineers I (Total Units 5.0 - 5.0)
PHYS250B Physics for Scientists and Engineers II (Total Units 5.0 - 5.0)
**Control Number:** 33379

## Computer Science, CA

***Certificate of Achievement***

**Unit Range for Completion:** 18.0 - 18.0

The Certificate of Achievement in Computer Science (CA) provides a focused, accelerated pathway for students to develop essential programming and problem-solving skills in preparation to pursue entry-level roles in the technology industry. This certificate emphasizes hands-on experience in coding, data structures, algorithms, and software development. Designed without general education requirements, the CS-CA equips students with practical, industry-relevant skills in a shorter timeframe, while offering a stackable credential that can lead seamlessly into the AS or AS-T degree in Computer Science for those seeking further academic advancement.

**Program Rules:** Computer Science, CA (Total Units 18.0 - 18.0)

The following number of Units

**Please select CIS111 OR CMPR111 OR CMPR112 - Credit will only be awarded for one course. (Total Units 0.0 - 0.0)**

CIS111 Python Programming (Total Units 3.0 - 3.0)
CMPR111 Python Programming Foundations (Total Units 3.0 - 3.0)
CMPR112 Java Programming (Total Units 3.0 - 3.0)
CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)
CMPR121 Programming Concepts (Total Units 3.0 - 3.0)
CMPR131 Data Structures Concepts (Total Units 3.0 - 3.0)
CMPR149 Discrete Structures for Computer Science (Total Units 3.0 - 3.0)
CMPR154 Computer Architecture and Organization (Total Units 3.0 - 3.0)

**Control Number:** 21649

# COSMETOLOGY

## Cosmetology, AS

***A.S. Degree Major***

**Unit Range for Completion:** 42.0 - 42.0

The Associate of Science degree in Cosmetology is designed to exceed minimum California Board of Barbering and Cosmetology standards. Students will experience a combination of lecture and laboratory instruction covering various topics such as hairdressing, chemical waving and straightening, haircutting and shaping, hair coloring, scalp and hair treatments, facials, manicuring, and operation of a beauty salon. Proficiencies to be developed include principles of sanitation in compliance with laws and administrative regulations. Courses are offered on an open enrollment basis and students may enroll at any time. Students are required to purchase a basic cosmetology kit.

**Program Rules:** Cosmetology, AS (Total Units 42.0 - 42.0)

All of the following

***Major Requirements: (Total Units 42.0 - 42.0)***

All of the following

COSM005 Health and Safety (Total Units 7.0 - 7.0)
COSM040 Cosmetology (Total Units 35.0 - 35.0)

**Control Number:** 11948

## Cosmetology, CA

***Certificate of Achievement***

**Unit Range for Completion:** 42.0 - 42.0

The Certificate of Achievement in Cosmetology is designed to exceed minimum California Board of Barbering and Cosmetology standards. Students will experience a combination of lecture and laboratory instruction covering various topics such as hairdressing, chemical waving and straightening, haircutting and shaping, hair coloring, scalp and hair treatments, facials, manicuring, and operation of a beauty salon. Proficiencies to be developed include principles of sanitation in compliance with laws and administrative regulations. Courses are offered on an open enrollment basis and students may enroll at any time. Students are required to purchase a basic cosmetology kit.

**Program Rules:** Cosmetology, CA (Total Units 42.0 - 42.0)

All of the following

***Certificate Requirements: (Total Units 42.0 - 42.0)***

All of the following

COSM005 Health and Safety (Total Units 7.0 - 7.0)
COSM040 Cosmetology (Total Units 35.0 - 35.0)

**Control Number:** 21674

## Esthetician, CA

***Certificate of Achievement***

**Unit Range for Completion:** 20.0 - 20.0

The Certificate of Achievement in Esthetician is designed to exceed minimum California Board of Barbering and Cosmetology standards. Students will experience a combination of lecture and laboratory instruction covering various topics such as manual, electrical and chemical facials. Proficiencies to be developed include principles of sanitation, client management as well as compliance with laws and administrative regulations. Courses are offered on an open enrollment basis and students may enroll at any time. Students are required to purchase a basic cosmetology kit.

**Program Rules:** Esthetician, CA (Total Units 20.0 - 20.0)

The following number of Units

COSM005 Health and Safety (Total Units 7.0 - 7.0)
COSM080 Esthetician (Total Units 13.0 - 13.0)

**Control Number:** 36520

# COUNSELING

## Cal-GETC, CA

***Certificate of Achievement***

**Unit Range for Completion:** 35.0 - 44.5

The California General Education Transfer Curriculum (Cal-GETC)/Plan 2 is a program that allows Santiago Canyon College students to complete lower division general education requirements for transfer to California State University (CSU) and the University of California (UC) systems. Students who intend to transfer must complete all general education courses with a "C" or better grade to earn the Cal-GETC Certificate of Achievement and full Cal-GETC certification. Completion of Cal-GETC does not guarantee admission to a specific CSU or UC campus.

To transfer into a CSU or UC, students need 60 transferable units, which include the units from fulfilling Cal-GETC, major requirements, and possible elective units. UC-bound students must ensure all 60 units are UC transferable. Students are highly recommended to meet with a counselor to discuss transfer requirements and lower division major preparation needed for their intended transfer university.

**Program Rules:** California General Education Transfer Curriculum (Total Units 35.0 - 44.5)

The following number of Units

***AREA 1: ENGLISH COMMUNICATION (Total Units 9.0 - 9.0)***

**Select ONE course from each subarea (1A, 1B, and 1C). (Total Units 0.0 - 0.0)**

***1A: English Composition (Total Units 3.0 - 4.0)***

The following number of Units

ENGLC1000 Academic Reading and Writing (Total Units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (Total Units 4.0 - 4.0)

***1B: Critical Thinking/Composition (Total Units 3.0 - 4.0)***
The following number of Units
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 4.0 - 4.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 4.0 - 4.0)
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
PHIL110 Critical Thinking (Total Units 4.0 - 4.0)
READ151 Critical Reading and Analysis (Total Units 3.0 - 3.0)

***1C: Oral Communication (Total Units 3.0 - 3.0)***
The following number of Units
COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)

***AREA 2: MATHEMATICAL CONCEPTS AND QUNTITATIVE REASONING (Total Units 3.0 - 3.0)***
**Select ONE mathematics course (Total Units 0.0 - 0.0)**
2: Mathematical Concepts and Quantitative Reasoning (Total Units 3.0 - 5.5)
The following number of Units
MATH105 Mathematics for Liberal Arts Students (Total Units 4.0 - 4.0)
MATH140 College Algebra (Total Units 4.0 - 4.0)
MATH150 Calculus for Biological, Management, and Social Sciences (Total Units 5.0 - 5.0)
MATH150S Calculus for Biological, Management, and Social Sciences with Support (Total Units 5.5 - 5.5)
MATH171 Precalculus and Trigonometry (Total Units 5.0 - 5.0)
MATH180 Single Variable Calculus I - This course is now MATHC2210 (Total Units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I - This course is now MATHC2210H (Total Units 4.0 - 4.0)
MATH180S Single Variable Calculus I with Integrated Support - This course is now MATHC2210E (Total Units 4.5 - 4.5)
MATH185 Single Variable Calculus II - This course is now MATHC2220 (Total Units 4.0 - 4.0)
DATA100 Introduction to Data Science (Total Units 4.0 - 4.0)
MATH270 Discrete Mathematics (Total Units 3.0 - 3.0)
MATH280 Intermediate Calculus (Total Units 4.0 - 4.0)
MATH287 Introduction to Linear Algebra and Differential Equations (Total Units 5.0 - 5.0)
MATH290 Linear Algebra (Total Units 3.0 - 3.0)
MATH295 Differential Equations (Total Units 3.0 - 3.0)
SOCI25 Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
SOCI25H Honors Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

***AREA 3: ARTS AND HUMANITIES (Total Units 6.0 - 6.0)***
**Select ONE course from subarea 3A and ONE course from 3B. (Total Units 0.0 - 0.0)**
***3A: Arts (Total Units 3.0 - 3.0)***
The following number of Units
ART100 Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART100H Honors Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART101 Survey of Western Art History I: Prehistory Through the Middle Ages - This course is now ARTHC1100 (Total Units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages - This course is now ARTHC1100H (Total Units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century - This course is now ARTHC1200 (Total Units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century - This course is now ARTHC1200H (Total Units 3.0 - 3.0)
CINE103 History of Film to 1945 (Total Units 3.0 - 3.0)
CINE104 History of Film From 1945 to Present (Total Units 3.0 - 3.0)
DNCE100 Dance History and Appreciation (Total Units 3.0 - 3.0)
MUS101 Music Appreciation (Total Units 3.0 - 3.0)
MUS101H Honors Music Appreciation (Total Units 3.0 - 3.0)
MUS102 World Music (Total Units 3.0 - 3.0)
MUS103 Jazz in America (Total Units 3.0 - 3.0)
MUS104 Rock Music History and Appreciation (Total Units 3.0 - 3.0)
THEA100 Introduction to Theatre (Total Units 3.0 - 3.0)

***3B: Humanites (Total Units 3.0 - 5.0)***
The following number of Units
ASL111 American Sign Language II (Total Units 4.0 - 4.0)
ASL116 Introduction to Deaf Studies (Total Units 3.0 - 3.0)
ASL210 American Sign Language III (Total Units 4.0 - 4.0)
CHNS102 Elementary Chinese II (Total Units 5.0 - 5.0)
ENGL231 Survey of English Literature I (Total Units 3.0 - 3.0)
ENGL232 Survey of English Literature II (Total Units 3.0 - 3.0)
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 4.0 - 4.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 4.0 - 4.0)
ENGL233A Shakespeare's Comedies and Romances (Total Units 3.0 - 3.0)
ENGL233B Shakespeare's Tragedies and History Plays (Total Units 3.0 - 3.0)
ENGL241 Survey of American Literature, 1600-1865 (Total Units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (Total Units 3.0 - 3.0)
ENGL270 Children's Literature (Total Units 3.0 - 3.0)
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
ENGL279 Survey of Latine Literature (Total Units 3.0 - 3.0)
ENGL280 Literature of the African Diaspora (Total Units 3.0 - 3.0)
FREN102 Elementary French II (Total Units 5.0 - 5.0)
FREN201 Intermediate French I (Total Units 5.0 - 5.0)
FREN202 Intermediate French II (Total Units 5.0 - 5.0)
HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST115 African American History (Total Units 3.0 - 3.0)
HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)
HIST125 Native Americans in the U.S. (Total Units 3.0 - 3.0)
HIST129 LGBTQ+ History in the U.S. (Total Units 3.0 - 3.0)
HIST130 Asian American & Pacific Islander History (Total Units 3.0 - 3.0)
HIST132 Modern African History (Total Units 3.0 - 3.0)
HIST140 Islamic History (Total Units 3.0 - 3.0)
HIST172 Jewish History (Total Units 3.0 - 3.0)
ITAL102 Elementary Italian II (Total Units 5.0 - 5.0)
ITAL201 Intermediate Italian I (Total Units 5.0 - 5.0)
ITAL202 Intermediate Italian II (Total Units 5.0 - 5.0)
PHIL106 Introduction to Philosophy (Total Units 3.0 - 3.0)
PHIL106H Honors Introduction to Philosophy (Total Units 3.0 - 3.0)
PHIL108 Ethics (Total Units 3.0 - 3.0)
PHIL112 World Religions (Total Units 3.0 - 3.0)
PHIL115 Philosophy of Religion (Total Units 3.0 - 3.0)

PHIL118 History of Philosophy (Total Units 3.0 - 3.0)
PHIL120 Introduction to Social and Political Philosophy (Total Units 3.0 - 3.0)
SPAN102 Elementary Spanish II (Total Units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (Total Units 5.0 - 5.0)
SPAN195A Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN201 Intermediate Spanish I (Total Units 5.0 - 5.0)

***AREA 4: SOCIAL AND BEHAVIORAL SCIENCES (Total Units 6.0 - 6.0)***
**Select TWO courses from at least TWO different disciplines (Total Units 0.0 - 0.0)**
***4: Social and Behavioral Sciences (Total Units 6.0 - 6.0)***
The following number of Units
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology ( Total Units 3.0 - 3.0)
ANTH104 Language and Culture (Total Units 3.0 - 3.0)
APCD107 Apprenticeship Child Growth and Development (DS1) (Total Units 0.0 - 0.0)
APCD110 Apprenticeship - Child, Family and Community (DS2) (Total Units 0.0 - 0.0)
APCD221 Apprenticeship - Living and Teaching in a Diverse Society (Total Units 0.0 - 0.0)
CDEV107 Child Growth and Development (DS1) - This course is now CDEVC1000 (Total Units 3.0 - 3.0)
CDEV110 Child, Family and Community (DS2) (Total Units 3.0 - 3.0)
CDEV221 Living and Teaching in a Diverse Society (Total Units 3.0 - 3.0)
EDUC101 American Schools and Society (Total Units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN110 Introduction to Asian Pacific American Studies (Total Units 3.0 - 3.0)
ETHN120 Introduction to African American Studies (Total Units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
ETHN140 Introduction to Native American Studies (Total Units 3.0 - 3.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
GSWS102 Money, Sex, and Power (Total Units 3.0 - 3.0)
GSWS103 Men and Masculinities (Total Units 3.0 - 3.0)
GEOG100 World Regional Geography (Total Units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)
GEOG102 Cultural Geography (Total Units 3.0 - 3.0)
GEOG102H Honors Cultural Geography (Total Units 3.0 - 3.0)
GEOG140 California Geography (Total Units 3.0 - 3.0)
HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST115 African American History (Total Units 3.0 - 3.0)
HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)
HIST120 The United States to 1877 - This course is now HISTC1001 (Total Units 3.0 - 3.0)
HIST120H Honors The United States to 1877 - This course is now HISTC1001H (Total Units 3.0 - 3.0)
HIST121 The United States Since 1865 - This course is now HISTC1002 (Total Units 3.0 - 3.0)
HIST121H Honors the United States Since 1865 - This course is now HISTC1002H (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
HIST125 Native Americans in the U.S. (Total Units 3.0 - 3.0)
HIST126 United States since 1945 (Total Units 3.0 - 3.0)
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
HIST129 LGBTQ+ History in the U.S. (Total Units 3.0 - 3.0)
HIST130 Asian American & Pacific Islander History (Total Units 3.0 - 3.0)
HIST140 Islamic History (Total Units 3.0 - 3.0)
HIST133 History of California (Total Units 3.0 - 3.0)
HIST142 History of the Modern Middle East (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
HIST162 Asian Civilizations (Total Units 3.0 - 3.0)
HIST172 Jewish History (Total Units 3.0 - 3.0)
HIST240 Introduction to Peace and Conflict Studies (Total Units 3.0 - 3.0)
IDS155 Human Sexuality (Total Units 3.0 - 3.0)
KIN109 Sport in US Society (Total Units 3.0 - 3.0)
POLT150 Model United Nations (Total Units 4.0 - 4.0)
POLT201 Introduction to Comparative Politics (Total Units 3.0 - 3.0)
POLT220 International Politics (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)
POLT230 Political Theory (Total Units 3.0 - 3.0)
POLT235 Identity Politics (Total Units 3.0 - 3.0)
POLSC1000 American Government and Politics (Total Units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (Total Units 3.0 - 3.0)
PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)
PSYC160 Introduction to Lifespan Psychology (Total Units 3.0 - 3.0)
PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)
PSYC190 Psychology of Human Sexuality (Total Units 3.0 - 3.0)
PSYC200 Introduction to Biological Psychology (Total Units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (Total Units 4.0 - 4.0)
PSYC230 Psychology of Adjustment (Total Units 3.0 - 3.0)
PSYC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
PSYC250 Introduction to Abnormal Psychology (Total Units 3.0 - 3.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC115 Death and Dying (Total Units 3.0 - 3.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
SOC130 Relationships, Marriages, and Family Dynamics (Total Units 3.0 - 3.0)
SOC160 Introduction to Criminology (Total Units 3.0 - 3.0)
SOC210 Sociology of Medicine (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
SOC230 Drugs and Society (Total Units 3.0 - 3.0)
SOC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC240H Honors Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)

***AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES (Total Units 7.0 - 7.0)***
**Select ONE course from subarea 5A and 5B. 5A or 5B MUST have a corresponding LAB to meet 5C. (Total Units 0.0 - 0.0)**
***5A: Physical Science (Total Units 3.0 - 5.0***)
The following number of Units
ASTR102 Introduction to Stars and Galaxies (Total Units 3.0 - 3.0)
ASTR103 Introduction to the Solar System (Total Units 3.0 - 3.0)
ASTR104 Introduction to Cosmology (Total Units 3.0 - 3.0)

CHEM100 Introductory Chemistry (Total Units 4.0 - 4.0)
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)
ERTH100 Physical Geology (Total Units 3.0 - 3.0)
ERTH111 Historical Geology (Total Units 4.0 - 4.0)
ERTH120 Earth Sciences (Total Units 3.0 - 3.0)
ERTH121 Earth Sciences for Educators (Total Units 4.0 - 4.0)
ERTH130 Environmental Geology (Total Units 3.0 - 3.0)
ERTH160 Oceanography (Total Units 3.0 - 3.0)
ERTH200 Geology of California (Total Units 3.0 - 3.0)
GEOG101 Introduction to the Natural Environment (Total Units 3.0 - 3.0)
GEOG101H Honors Introduction to the Natural Environment (Total Units 3.0 - 3.0)
GEOG130 Introduction to Weather and Climate (Total Units 3.0 - 3.0)
GEOG130H Honors Introduction to Weather and Climate (Total Units 3.0 - 3.0)
PSC100 Survey of Chemistry and Physics (Total Units 4.0 - 4.0)
PHYS100 Conceptual Physics (Total Units 4.0 - 4.0)
PHYS150A Introductory Physics I (Total Units 4.0 - 4.0)
PHYS150B Introductory Physics II (Total Units 4.0 - 4.0)
PHYS250A Physics for Scientists and Engineers I (Total Units 5.0 - 5.0)
PHYS250B Physics for Scientists and Engineers II (Total Units 5.0 - 5.0)
PHYS250C Physics for Scientists and Engineers III (Total Units 5.0 - 5.0)

***5B: Biological Science (Total Units 3.0 - 5.0)***

The following number of Units
ANTH101 Introduction to Physical Anthropology (Total Units 3.0 - 3.0)
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL111 Marine Biology (Total Units 4.0 - 4.0)
BIOL115 Concepts in Biology for Educators (Total Units 4.0 - 4.0)
BIOL139 Health Microbiology (Total Units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL177 Human Genetics (Total Units 3.0 - 3.0)
BIOL190 Introduction to Biotechnology (Total Units 3.0 - 3.0)
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
BIOL213 Animal Diversity and Evolution (Total Units 4.0 - 4.0)
BIOL215 Plant Diversity and Ecology (Total Units 4.0 - 4.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL241 Organismal Biology (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
BIOL290 Biochemistry and Molecular Biology (Total Units 5.0 - 5.0)
PSYC200 Introduction to Biological Psychology (Total Units 3.0 - 3.0)

***5C: LABORATORY ACTIVITIES (Total Units 1.0 - 1.0)***

The following number of Units
ANTH101L Physical Anthropology Laboratory (Total Units 1.0 - 1.0)
ASTR100L Astronomy Laboratory (Total Units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL111 Marine Biology (Total Units 4.0 - 4.0)
BIOL115 Concepts in Biology for Educators (Total Units 4.0 - 4.0)
BIOL139 Health Microbiology (Total Units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL190L Introduction to Biotechnology Lab (Total Units 1.0 - 1.0)
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
BIOL213 Animal Diversity and Evolution (Total Units 4.0 - 4.0)
BIOL215 Plant Diversity and Ecology (Total Units 4.0 - 4.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
BIOL290 Biochemistry and Molecular Biology (Total Units 5.0 - 5.0)
CHEM100 Introductory Chemistry (Total Units 4.0 - 4.0)
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)
ERTH100L Physical Geology Laboratory (Total Units 1.0 - 1.0)
ERTH111 Historical Geology (Total Units 4.0 - 4.0)
ERTH121 Earth Sciences for Educators (Total Units 4.0 - 4.0)
GEOG101L Introduction to the Natural Environment Laboratory (Total Units 1.0 - 1.0)
PSC100 Survey of Chemistry and Physics (Total Units 4.0 - 4.0)
PHYS100 Conceptual Physics (Total Units 4.0 - 4.0)
PHYS150A Introductory Physics I (Total Units 4.0 - 4.0)
PHYS150B Introductory Physics II (Total Units 4.0 - 4.0)
PHYS250A Physics for Scientists and Engineers I (Total Units 5.0 - 5.0)
PHYS250B Physics for Scientists and Engineers II (Total Units 5.0 - 5.0)
PHYS250C Physics for Scientists and Engineers III (Total Units 5.0 - 5.0)

***AREA 6: ETHNIC STUDIES (Total Units 3.0 - 3.0)***

**Select ONE course (Total Units 0.0 - 0.0)**

***6: Ethnic Studies (Total Units 3.0 - 3.0)***

The following number of Units
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN110 Introduction to Asian Pacific American Studies (Total Units 3.0 - 3.0)
ETHN120 Introduction to African American Studies (Total Units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
ETHN140 Introduction to Native American Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)

**Control Number:** 45619

## California State University General Education Breadth (CSU), CA

***Certificate of Achievement***

**Unit Range for Completion:** 39.0 - 39.0

Complete all CSU General Education Breadth Requirements (Plan B) to a minimum of 39 units.

**Program Rules:** California State University General Education Breadth (CSU), CA (Total Units 39.0 - 39.0)

The following number of Units

**Control Number:** 18117

## Intersegmental General Education Transfer Curriculum (IGETC), CA

***Certificate of Achievement***

**Unit Range for Completion:** 34.0 - 34.0

Complete all Intersegmental General Education Transfer Curriculum Requirements (Plan C) to a minimum of 34 units.

**Program Rules:** Intersegmental General Education Transfer Curriculum (IGETC), CA (Total Units 34.0 - 34.0)

The following number of Units

**Control Number:** 18118

# Liberal Arts: Arts, Humanities, and Communication, AA

***A.A. Degree Major***

**Unit Range for Completion:** 18.0 - 18.0

The integrated curriculum of the Liberal Arts degree provides a broad exposure to the arts, humanities, sciences, and social sciences, while offering the opportunity for depth of knowledge within an area of emphasis. The program will enable students to develop an appreciation and understanding of the logic, aesthetic, and ethical values that have shaped and enriched our culture and to develop intellectual maturity, a deeper understanding of themselves, others, and the world. The curriculum provides a basic framework for lifelong individual study as well as preparation for university study. These courses emphasize the study of cultural literacy, humanistic activities and the artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments. This area of emphasis will prepare students for a variety of majors within the Humanities discipline including Creative Writing, English, Foreign Language, Humanities and Art, and Philosophy. It will also provide lower-division preparation for a wide range of majors within the Communications discipline. Complete general education Plan A (associate degree only, non-transfer), Plan B (CSU-GE Breadth, CSU transfer) or Plan C (IGETC, UC or CSU transfer). Students are advised to meet with a counselor to select a general education pattern most appropriate to their educational goals. Units used to satisfy an area of emphasis may be used to satisfy general education requirements.

**Program Rules:** Liberal Arts: Arts, Humanities, and Communication, AA (Total Units 18.0 - 18.0)

The following number of Units

ART100 Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART100H Honors Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century - This course is now ARTHC1200 (Total Units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century - This course is now ARTHC1200H (Total Units 3.0 - 3.0)
ASL110 American Sign Language I (Total Units 4.0 - 4.0)
ASL111 American Sign Language II (Total Units 4.0 - 4.0)
ASL116 Introduction to Deaf Studies (Total Units 3.0 - 3.0)
ASL210 American Sign Language III (Total Units 4.0 - 4.0)
CINE103 History of Film to 1945 (Total Units 3.0 - 3.0)
CINE104 History of Film From 1945 to Present (Total Units 3.0 - 3.0)
CINE107 Great Directors (Total Units 3.0 - 3.0)
CINE108 Film Genres (Total Units 3.0 - 3.0)
COMM100 Introduction to Interpersonal Communication - This course is now COMMC1004 (Total Units 3.0 - 3.0)
COMM100H Honors Introduction to Interpersonal Communication - This course is now COMMC1004H (Total Units 3.0 - 3.0)
COMM101 Group Dynamics (Total Units 3.0 - 3.0)
COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)
COMM111 Argumentation and Debate (Total Units 3.0 - 3.0)
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
DNCE100 Dance History and Appreciation (Total Units 3.0 - 3.0)
ENGLC1000 Academic Reading and Writing (Total Units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (Total Units 4.0 - 4.0)
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 4.0 - 4.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 4.0 - 4.0)
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
ENGL231 Survey of English Literature I (Total Units 3.0 - 3.0)
ENGL232 Survey of English Literature II (Total Units 3.0 - 3.0)
ENGL233A Shakespeare's Comedies and Romances (Total Units 3.0 - 3.0)
ENGL233B Shakespeare's Tragedies and History Plays (Total Units 3.0 - 3.0)
ENGL241 Survey of American Literature, 1600-1865 (Total Units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (Total Units 3.0 - 3.0)
ENGL270 Children's Literature (Total Units 3.0 - 3.0)
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
ENGL279 Survey of Latine Literature (Total Units 3.0 - 3.0)
ENGL280 Literature of the African Diaspora (Total Units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN110 Introduction to Asian Pacific American Studies (Total Units 3.0 - 3.0)
ETHN120 Introduction to African American Studies (Total Units 3.0 - 3.0)
CHST101 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
ETHN140 Introduction to Native American Studies (Total Units 3.0 - 3.0)
FREN101 Elementary French I (Total Units 5.0 - 5.0)
FREN102 Elementary French II (Total Units 5.0 - 5.0)
FREN194 Conversation and Composition I (Total Units 3.0 - 3.0)
FREN201 Intermediate French I (Total Units 5.0 - 5.0)
FREN202 Intermediate French II (Total Units 5.0 - 5.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
GSWS103 Men and Masculinities (Total Units 3.0 - 3.0)
HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST115 African American History (Total Units 3.0 - 3.0)
HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)
HIST120 The United States to 1877 - This course is now HISTC1001 (Total Units 3.0 - 3.0)
HIST120H Honors The United States to 1877 - This course is now HISTC1001H (Total Units 3.0 - 3.0)
HIST121 The United States Since 1865 - This course is now HISTC1002 (Total Units 3.0 - 3.0)
HIST121H Honors the United States Since 1865 - This course is now HISTC1002H (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
HIST125 Native Americans in the U.S. (Total Units 3.0 - 3.0)
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
HIST129 LGBTQ+ History in the U.S. (Total Units 3.0 - 3.0)
HIST130 Asian American & Pacific Islander History (Total Units 3.0 - 3.0)
HIST132 Modern African History (Total Units 3.0 - 3.0)
HIST133 History of California (Total Units 3.0 - 3.0)
HIST142 History of the Modern Middle East (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
HIST162 Asian Civilizations (Total Units 3.0 - 3.0)
HIST172 Jewish History (Total Units 3.0 - 3.0)
ITAL101 Elementary Italian I (Total Units 5.0 - 5.0)
ITAL102 Elementary Italian II (Total Units 5.0 - 5.0)
ITAL194 Conversation and Composition (Total Units 3.0 - 3.0)

ITAL195 Advanced Conversational Italian (Total Units 3.0 - 3.0)
ITAL201 Intermediate Italian I (Total Units 5.0 - 5.0)
ITAL202 Intermediate Italian II (Total Units 5.0 - 5.0)
MUS101 Music Appreciation (Total Units 3.0 - 3.0)
MUS101H Honors Music Appreciation (Total Units 3.0 - 3.0)
MUS102 World Music (Total Units 3.0 - 3.0)
MUS103 Jazz in America (Total Units 3.0 - 3.0)
MUS104 Rock Music History and Appreciation (Total Units 3.0 - 3.0)
MUS111 Music Theory and Musicianship I (Total Units 4.0 - 4.0)
MUS112 Music Theory and Musicianship II (Total Units 4.0 - 4.0)
MUS114A Musicianship III (Total Units 1.0 - 1.0)
MUS114B Musicianship IV (Total Units 1.0 - 1.0)
MUS213 Music Theory III (Total Units 3.0 - 3.0)
MUS214 Music Theory IV (Total Units 3.0 - 3.0)
NUTR120 Food and Culture (Total Units 3.0 - 3.0)
PHIL106 Introduction to Philosophy (Total Units 3.0 - 3.0)
PHIL106H Honors Introduction to Philosophy (Total Units 3.0 - 3.0)
PHIL108 Ethics (Total Units 3.0 - 3.0)
PHIL110 Critical Thinking (Total Units 4.0 - 4.0)
PHIL111 Introductory Logic (Total Units 4.0 - 4.0)
PHIL112 World Religions (Total Units 3.0 - 3.0)
PHIL115 Philosophy of Religion (Total Units 3.0 - 3.0)
PHIL118 History of Philosophy (Total Units 3.0 - 3.0)
PHIL120 Introduction to Social and Political Philosophy (Total Units 3.0 - 3.0)
READ150 Critical Reading (Total Units 3.0 - 3.0)
READ151 Critical Reading and Analysis (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SPAN101 Elementary Spanish I (Total Units 5.0 - 5.0)
SPAN101H Honors Elementary Spanish I (Total Units 5.0 - 5.0)
SPAN101A Elementary Spanish IA (Total Units 2.5 - 2.5)
SPAN101B Elementary Spanish IB (Total Units 2.5 - 2.5)
SPAN102 Elementary Spanish II (Total Units 5.0 - 5.0)
SPAN110 Spanish for Spanish Speakers 1 (Total Units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (Total Units 5.0 - 5.0)
SPAN194 Beginning Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195A Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN201 Intermediate Spanish I (Total Units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (Total Units 5.0 - 5.0)
THEA100 Introduction to Theatre (Total Units 3.0 - 3.0)

**Control Number:** 18317

# Liberal Arts: Mathematics and Sciences, AS

***A.S. Degree Major***

**Unit Range for Completion:** 18.0 - 18.0

The integrated curriculum of the Liberal Arts degree provides a broad exposure to the arts, humanities, sciences, and social sciences, while offering the opportunity for depth of knowledge within an area of emphasis. The program will enable students to develop an appreciation and understanding of the logic, aesthetic, and ethical values that have shaped and enriched our culture and to develop intellectual maturity, a deeper understanding of themselves, others, and the world. The curriculum provides a basic framework for lifelong individual study as well as preparation for university study.The science courses in this category examine the physical universe, its life forms and its natural phenomena. These courses will assist the student in developing an appreciation of the scientific method and encourage an understanding of the relationships between science and other human activities. The mathematics courses will encourage the understanding of mathematical concepts through the development of quantitative reasoning skills. Students are required to complete at least one mathematics course within this area of emphasis. This area of emphasis will provide students with lower-division preparation for a variety of majors within the scientific disciplines, including Astronomy, Biology, Chemistry, Earth Sciences, Geology and Physics and will provide preparation for Mathematics majors. Additionally, students may undertake preparation for Nursing, Kinesiology, Public Health and other Health Science majors. Many of the courses will also assist students in prerequisite preparation for graduate programs within Health Sciences. In addition to the area of emphasis, students are required to complete a general education pattern (Plan A, B, or C). Students are advised to meet with a counselor to select the general education pattern most appropriate to their educational goals.Units used to satisfy an area of emphasis may be used to satisfy general education requirements.

**Program Rules:** Liberal Arts: Mathematics and Sciences, AA (Total Units 18.0 - 18.0)

The following number of Units

ANTH101 Introduction to Physical Anthropology (Total Units 3.0 - 3.0)
ANTH101L Physical Anthropology Laboratory (Total Units 1.0 - 1.0)
ASTR100L Astronomy Laboratory (Total Units 1.0 - 1.0)
ASTR102 Introduction to Stars and Galaxies (Total Units 3.0 - 3.0)
ASTR103 Introduction to the Solar System (Total Units 3.0 - 3.0)
ASTR104 Introduction to Cosmology (Total Units 3.0 - 3.0)
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL115 Concepts in Biology for Educators (Total Units 4.0 - 4.0)
BIOL139 Health Microbiology (Total Units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL190 Introduction to Biotechnology (Total Units 3.0 - 3.0)
BIOL190L Introduction to Biotechnology Lab (Total Units 1.0 - 1.0)
BIOL211 Cellular and Molecular Biology (Total Units 5.0 - 5.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
CHEM100 Introductory Chemistry (Total Units 4.0 - 4.0)
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)
CHEM280A Organic Chemistry A (Total Units 5.0 - 5.0)
CHEM280B Organic Chemistry B (Total Units 5.0 - 5.0)
DATA100 Introduction to Data Science (Total Units 4.0 - 4.0)
ENGR220 Statics (Total Units 3.0 - 3.0)
ENGR225 Dynamics (Total Units 3.0 - 3.0)
ENGR230 Network Analysis (Total Units 5.0 - 5.0)
ERTH100 Physical Geology (Total Units 3.0 - 3.0)
ERTH100L Physical Geology Laboratory (Total Units 1.0 - 1.0)
ERTH111 Historical Geology (Total Units 4.0 - 4.0)
ERTH120 Earth Sciences (Total Units 3.0 - 3.0)
ERTH121 Earth Sciences for Educators (Total Units 4.0 - 4.0)
ERTH130 Environmental Geology (Total Units 3.0 - 3.0)
ERTH160 Oceanography (Total Units 3.0 - 3.0)
ERTH200 Geology of California (Total Units 3.0 - 3.0)
GEOG101 Introduction to the Natural Environment (Total Units 3.0 - 3.0)
GEOG101H Honors Introduction to the Natural Environment (Total Units 3.0 - 3.0)
GEOG101L Introduction to the Natural Environment Laboratory (Total Units 1.0 - 1.0)
GEOG130 Introduction to Weather and Climate (Total Units 3.0 - 3.0)
GEOG130H Honors Introduction to Weather and Climate (Total Units 3.0 - 3.0)
MATH080C Integrated Mathematics III (Total Units 5.0 - 5.0)
MATH105 Mathematics for Liberal Arts Students (Total Units 3.0 - 3.0)

MATH140 College Algebra (Total Units 4.0 - 4.0)
MATH150 Calculus for Biological, Management, and Social Sciences (Total Units 5.0 - 5.0)
MATH150S Calculus for Biological, Management, and Social Sciences with Support (Total Units 5.5 - 5.5)
MATH171 Precalculus and Trigonometry (Total Units 5.0 - 5.0)
MATH172 Algebra and Trigonometry for Calculus (Total Units 3.0 - 3.0)
MATH180 Single Variable Calculus I - This course is now MATHC2210 (Total Units 4.0 - 4.0)
MATH180S Single Variable Calculus I with Integrated Support - This course is now MATHC2210E (Total Units 4.5 - 4.5)
MATH180H Honors Single Variable Calculus I - This course is now MATHC2210H (Total Units 4.0 - 4.0)
MATH185 Single Variable Calculus II - This course is now MATHC2220 (Total Units 4.0 - 4.0)
MATH280 Intermediate Calculus (Total Units 4.0 - 4.0)
MATH287 Introduction to Linear Algebra and Differential Equations (Total Units 5.0 - 5.0)
MATH290 Linear Algebra (Total Units 3.0 - 3.0)
MATH295 Differential Equations (Total Units 3.0 - 3.0)
PHYS100 Conceptual Physics (Total Units 4.0 - 4.0)
PHYS150A Introductory Physics I (Total Units 4.0 - 4.0)
PHYS150AC Introductory Physics I - Calculus (Total Units 1.0 - 1.0)
PHYS150B Introductory Physics II (Total Units 4.0 - 4.0)
PHYS150BC Introductory Physics II - Calculus (Total Units 1.0 - 1.0)
PHYS250A Physics for Scientists and Engineers I (Total Units 5.0 - 5.0)
PHYS250B Physics for Scientists and Engineers II (Total Units 5.0 - 5.0)
PHYS250C Physics for Scientists and Engineers III (Total Units 5.0 - 5.0)
PSC100 Survey of Chemistry and Physics (Total Units 4.0 - 4.0)
PSYC200 Introduction to Biological Psychology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)

**Control Number:** 18318

# Liberal Arts: Multi-Cultural Studies, AA

***A.A. Degree Major***

**Unit Range for Completion:** 18.0 - 18.0

The integrated curriculum of the Liberal Arts degree provides a broad exposure to the arts, humanities, sciences, and social sciences, while offering the opportunity for depth of knowledge within an area of emphasis. The program will enable students to develop an appreciation and understanding of the logic, aesthetic, and ethical values that have shaped and enriched our culture and to develop intellectual maturity, a deeper understanding of themselves, others, and the world. The curriculum provides a basic framework for lifelong individual study as well as preparation for university study. These inter-disciplinary courses promote an appreciation of multi-cultural influences in contemporary society. Courses in this category encourage students to acquire the knowledge, skills and attitude needed to function effectively in a pluralistic democratic society and to interact, negotiate and communicate with peoples from diverse groups in order to create a civic and moral community that works for the common good. This emphasis will provide students with lower-division major preparation for disciplines within the area of study devoted to culture and society. These majors include Chicano Studies, Ethnic Studies, Foreign Language, Global Studies, International Development and Women's Studies. Complete general education Plan A (associate degree only, non-transfer), Plan B (CSU-GE Breadth, CSU transfer) or Plan C (IGETC, UC or CSU transfer). Students are advised to meet with a counselor to select a general education pattern most appropriate to their educational goals. Units used to satisfy an area of emphasis may be used to satisfy general education requirements.

**Program Rules:** Liberal Arts: Multi-Cultural Studies, AA (Total Units 18.0 - 18.0)

The following number of Units

ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH104 Language and Culture (Total Units 3.0 - 3.0)
ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (Total Units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (Total Units 3.0 - 3.0)
ASL110 American Sign Language I (Total Units 4.0 - 4.0)
ASL111 American Sign Language II (Total Units 4.0 - 4.0)
ASL116 Introduction to Deaf Studies (Total Units 3.0 - 3.0)
ASL210 American Sign Language III (Total Units 4.0 - 4.0)
CNSL101 Educational, Personal, Cultural, and Career Exploration (Total Units 3.0 - 3.0)
CNSL116 Career/Life Planning and Personal Exploration (Total Units 3.0 - 3.0)
CNSL118 Self Exploration and the Teaching Profession (Total Units 2.0 - 2.0)
CNSL150 Introduction to Human Services (Total Units 3.0 - 3.0)
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
EDUC101 American Schools and Society (Total Units 3.0 - 3.0)
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
ENGL279 Survey of Latinx Literature (Total Units 3.0 - 3.0)
ENGL280 Literature of the African Diaspora (Total Units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN110 Introduction to Asian Pacific American Studies (Total Units 3.0 - 3.0)
ETHN120 Introduction to African American Studies (Total Units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
ETHN140 Introduction to Native American Studies (Total Units 3.0 - 3.0)
FREN101 Elementary French I (Total Units 5.0 - 5.0)
FREN102 Elementary French II (Total Units 5.0 - 5.0)
FREN194 Conversation and Composition I (Total Units 3.0 - 3.0)
FREN201 Intermediate French I (Total Units 5.0 - 5.0)
FREN202 Intermediate French II (Total Units 5.0 - 5.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
GSWS102 Money, Sex, and Power (Total Units 3.0 - 3.0)
GSWS103 Men and Masculinities (Total Units 3.0 - 3.0)
HIST115 African American History (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
HIST125 Native American History (Total Units 3.0 - 3.0)
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
HIST130 Asian American & Pacific Islander History (Total Units 3.0 - 3.0)
HIST132 Modern African History (Total Units 3.0 - 3.0)
HIST140 Islamic History (Total Units 3.0 - 3.0)
HIST142 History of the Modern Middle East (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
HIST162 Asian Civilizations (Total Units 3.0 - 3.0)
HIST172 Jewish History (Total Units 3.0 - 3.0)

ITAL101 Elementary Italian I (Total Units 5.0 - 5.0)
ITAL102 Elementary Italian II (Total Units 5.0 - 5.0)
ITAL194 Conversation and Composition (Total Units 3.0 - 3.0)
ITAL195 Advanced Conversational Italian (Total Units 3.0 - 3.0)
ITAL201 Intermediate Italian I (Total Units 5.0 - 5.0)
ITAL202 Intermediate Italian II (Total Units 5.0 - 5.0)
KIN110 Women's Health Issues (Total Units 3.0 - 3.0)
MUS103 Jazz in America (Total Units 3.0 - 3.0)
NUTR120 Food and Culture (Total Units 3.0 - 3.0)
PHIL112 World Religions (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)
PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
SPAN101 Elementary Spanish I (Total Units 5.0 - 5.0)
SPAN101H Honors Elementary Spanish I (Total Units 5.0 - 5.0)
SPAN101A Elementary Spanish IA (Total Units 2.5 - 2.5)
SPAN101B Elementary Spanish IB (Total Units 2.5 - 2.5)
SPAN102 Elementary Spanish II (Total Units 5.0 - 5.0)
SPAN110 Spanish for Spanish Speakers 1 (Total Units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (Total Units 5.0 - 5.0)
SPAN194 Beginning Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195A Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN201 Intermediate Spanish I (Total Units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (Total Units 5.0 - 5.0)

**Control Number:** 18319

## Liberal Arts: Social and Behavioral Sciences, AA

***A.A. Degree Major***

**Unit Range for Completion:** 18.0 - 18.0

The integrated curriculum of the Liberal Arts degree provides a broad exposure to the arts, humanities, sciences, and social sciences, while offering the opportunity for depth of knowledge within an area of emphasis. The program will enable students to develop an appreciation and understanding of the logic, aesthetic, and ethical values that have shaped and enriched our culture and to develop intellectual maturity, a deeper understanding of themselves, others, and the world. The curriculum provides a basic framework for lifelong individual study as well as preparation for university study. Courses in this category emphasize the connection between human behavior and social, political and economic institutions and promote an understanding of how societies and social subgroups operate. Students will be encouraged to apply critical thinking techniques as they evaluate the way individuals act and have acted in response to their societies. The courses will ensure opportunities for students to develop an understanding of the perspectives and methods of inquiry used in the social and behavioral sciences. This area of emphasis will provide students with lower-division major preparation for many disciplines within the social sciences including Criminal Justice, Economics, Political Science, Psychology, Sociology and History. Complete general education Plan A (associate degree only, non-transfer), Plan B (CSU-GE Breadth, CSU transfer) or Plan C (IGETC, UC or CSU transfer). Students are advised to meet with a counselor to select a general education pattern most appropriate to their educational goals. Units used to satisfy an area of emphasis may be used to satisfy general education requirements.

**Program Rules:** Liberal Arts: Social and Behavioral Sciences, AA (Total Units 18.0 - 18.0)

The following number of Units

ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH103 Introduction to Archaeology (Total Units 3.0 - 3.0)
ANTH104 Language and Culture (Total Units 3.0 - 3.0)
APCD 170 or CDEV 107 or CDEV107H or Psyc 157 credit will be given for one course (Total Units 0.0 - 0.0)
APCD107 Apprenticeship Child Growth and Development (DS1) (Total Units 0.0 - 0.0)
APCD110 Apprenticeship - Child, Family and Community (DS2) (Total Units 0.0 - 0.0)
CDEV107 Child Growth and Development (DS1) - This course is now CDEVC1000 (Total Units 3.0 - 3.0)
CDEV107H Honors Child Growth and Development (DS1) - This course is now CDEVC1000H (Total Units 3.0 - 3.0)
CDEV110 Child, Family and Community (DS2) (Total Units 3.0 - 3.0)
CDEV202 Introduction to Children from Special Populations (Total Units 3.0 - 3.0)
CDEV203 Curriculum and Intervention Strategies for Special Populations (Total Units 3.0 - 3.0)
APCD221 Apprenticeship - Living and Teaching in a Diverse Society (Total Units 0.0 - 0.0)
CDEV221 Living and Teaching in a Diverse Society (Total Units 3.0 - 3.0)
CINE105 Mass Media and Society (Total Units 3.0 - 3.0)
CJ101 Introduction to Criminal Justice (Total Units 3.0 - 3.0)
CMPR100 The Computer and Society (Total Units 3.0 - 3.0)
CNSL150 Introduction to Social Work and Human Services ( Total Units 3.0 - 3.0)
CNSL165 Multiculturalism in Counseling (Total Units 3.0 - 3.0)
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
ECON101 Principles/Micro - This course is now ECONC2001 (Total Units 3.0 - 3.0)
ECON102 Principles/Macro (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN110 Introduction to Asian Pacific American Studies (Total Units 3.0 - 3.0)
ETHN120 Introduction to African American Studies (Total Units 3.0 - 3.0)
CHST101 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
ETHN140 Introduction to Native American Studies (Total Units 3.0 - 3.0)
GEOG100 World Regional Geography (Total Units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)
GEOG102 Cultural Geography (Total Units 3.0 - 3.0)
GEOG102H Honors Cultural Geography (Total Units 3.0 - 3.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
GSWS102 Money, Sex, and Power (Total Units 3.0 - 3.0)
GSWS103 Men and Masculinities (Total Units 3.0 - 3.0)
HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST115 African American History (Total Units 3.0 - 3.0)
HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)
HIST120 The United States to 1877 - This course is now HISTC1001 (Total Units 3.0 - 3.0)
HIST120H Honors The United States to 1877 - This course is now HISTC1001H (Total Units 3.0 - 3.0)

HIST121 The United States Since 1865 - This course is now HISTC1002 (Total Units 3.0 - 3.0)
HIST121H Honors the United States Since 1865 - This course is now HISTC1002H (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
HIST125 Native Americans in the U.S. (Total Units 3.0 - 3.0)
HIST126 United States since 1945 (Total Units 3.0 - 3.0)
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
HIST129 LGBTQ+ History in the U.S. (Total Units 3.0 - 3.0)
HIST130 Asian American & Pacific Islander History (Total Units 3.0 - 3.0)
HIST132 Modern African History (Total Units 3.0 - 3.0)
HIST133 History of California (Total Units 3.0 - 3.0)
HIST140 Islamic History (Total Units 3.0 - 3.0)
HIST142 History of the Modern Middle East (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
HIST162 Asian Civilizations (Total Units 3.0 - 3.0)
HIST172 Jewish History (Total Units 3.0 - 3.0)
IDS155 Human Sexuality (Total Units 3.0 - 3.0)
KIN109 Sport in US Society (Total Units 3.0 - 3.0)
POLSC1000 American Government and Politics (Total Units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (Total Units 3.0 - 3.0)
POLT201 Introduction to Comparative Politics (Total Units 3.0 - 3.0)
POLT220 International Politics (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)
POLT230 Political Theory (Total Units 3.0 - 3.0)
POLT235 Identity Politics (Total Units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)
PSYC160 Introduction to Lifespan Psychology (Total Units 3.0 - 3.0)
PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)
PSYC190 Psychology of Human Sexuality (Total Units 3.0 - 3.0)
PSYC200 Introduction to Biological Psychology (Total Units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (Total Units 4.0 - 4.0)
PSYC230 Psychology of Adjustment (Total Units 3.0 - 3.0)
PSYC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
PSYC250 Introduction to Abnormal Psychology (Total Units 3.0 - 3.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC115 Death and Dying (Total Units 3.0 - 3.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
SOC125 Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
SOC125H Honors Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
SOC130 Relationships, Marriages, and Family Dynamics (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
SOC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC240H Honors Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC160 Introduction to Criminology (Total Units 3.0 - 3.0)
SOC210 Sociology of Medicine (Total Units 3.0 - 3.0)
SOC230 Drugs and Society (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Control Number:** 18320

# Social Work and Human Services Assistant, AS

***A.S. Degree Major***

**Unit Range for Completion:** 19.0 - 19.0

The Associate of Science in Social Work and Human Services Assistant program equips students with foundational knowledge and practical skills to pursue careers in the helping professions. This program prepares students for roles in city, state, and nonprofit organizations, where they will support individuals and communities in need of essential services. Students will gain a strong understanding of social systems, advocacy, direct service work and program development, laying the groundwork for gainful employment.

**Program Rules:** Social Work and Human Service Assistants, AS (Total Units 19.0 - 19.0)

All of the following

***Major Requirements: (Total Units 16.0 - 16.0)***

The following number of Units

CNSLI50 Introduction to Human Services (Total Units 3.0 - 3.0)
CNSLI51 Helping Professions Employability Skills (Total Units 1.0 - 1.0)
CNSLI60A The Helping Professions Seminar (Total Units 1.0 - 1.0)
CNSLI60B Fieldwork Experience for the Helping Professions (Total Units 2.0 - 2.0)
CNSLI65 Multiculturalism in Counseling (Total Units 3.0 - 3.0)

**PSYC1000/1000H are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**

PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

**SOC100/100H are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**

SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 3.0 - 3.0)**

The following number of Units

CNSLI61 Social Work and Human Services Work Experience Education (WEE) (Total Units 1.0 - 4.0)
SOC115 Death and Dying (Total Units 3.0 - 3.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)
SOC130 Relationships, Marriages, and Family Dynamics (Total Units 3.0 - 3.0)
SOC230 Drugs and Society (Total Units 3.0 - 3.0)

**APC107, CDEV107/107H, PSYC156 are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**

APCD107 Apprenticeship Child Growth and Development (DSI) (Total Units 0.0 - 0.0)
CDEV107 Child Growth and Development (DSI) - This course is now CDEVC1000 (Total Units 3.0 - 3.0)
CDEV107H Honors Child Growth and Development (DSI) - This course is now CDEVC1000H (Total Units 3.0 - 3.0)
PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)

**SOC240/240H, PSYC240 are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**

SOC240H Honors Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
PSYC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)

**COMM120/120H are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**

COMM120 Intercultural Communication (Total Units 3.0 - 3.0)

COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
PASV156 Family and Community Violence (Total Units 3.0 - 3.0)
**Control Number:** 45737

## Social Work and Human Services Assistant, CA

***Certificate of Achievement***
**Unit Range for Completion:** 19.0 - 19.0
The Certificate of Achievement in Social Work and Human Services Assistant equips students with foundational knowledge and practical skills to pursue careers in the helpingprofessions. This program prepares students for roles in city, state, and nonprofitorganizations, where they will support individuals and communities in need of essentialservices. Students will gain a strong understanding of social systems, advocacy, direct servicework and program development, laying the groundwork for gainful employment.
**Program Rules:** Complete all of the following (Total Units 19.0 - 19.0)
All of the following
***Certificate Requirements: (Total Units 16.0 - 16.0)***
The following number of Units
CNSL150 Introduction to Human Services (Total Units 3.0 - 3.0)
CNSL151 Helping Professions Employability Skills (Total Units 1.0 - 1.0)
CNSL160A The Helping Professions Seminar (Total Units 1.0 - 1.0)
CNSL160B Fieldwork Experience for the Helping Professions (Total Units 2.0 - 2.0)
CNSL165 Multiculturalism in Counseling (Total Units 3.0 - 3.0)
**PSYC 1000/1000H are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
**SOC 100/100H are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 3.0 - 3.0)**
The following number of Units
CNSL161 Social Work and Human Services Work Experience Education (WEE) (Total Units 1.0 - 4.0)
SOC115 Death and Dying (Total Units 3.0 - 3.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)
SOC130 Relationships, Marriages, and Family Dynamics (Total Units 3.0 - 3.0)
SOC230 Drugs and Society (Total Units 3.0 - 3.0)
**PSYC240, SOC240/240H are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**
SOC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC240H Honors Introduction to Social Psychology (Total Units 3.0 - 3.0)
PSYC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
**APCD107, CDEV107/107H, PSYC157 are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**
APCD107 Apprenticeship Child Growth and Development (DS1) (Total Units 0.0 - 0.0)
CDEV107 Child Growth and Development (DS1) - This course is now CDEVC1000 (Total Units 3.0 - 3.0)
CDEV107H Honors Child Growth and Development (DS1) - This course is now CDEVC1000H (Total Units 3.0 - 3.0)
PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)
**COMM120/120H are considered the same course. Please select only one course (3 units). (Total Units 0.0 - 0.0)**
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
PASV156 Family and Community Violence (Total Units 3.0 - 3.0)
**Control Number:** 46150

## Social Work and Human Services, AA-T

***A.A. Degree for Transfer***
**Unit Range for Completion:** 29.5 - 30.5
The Social Work and Human Services Associate in Arts Degree for Transfer provides an interdisciplinary exploration of courses and content that prepares students to transfer to a four-year university as either Social Work or Human Services majors. This program allows students to blend theory with fieldwork experience while incorporating critical thinking and self-exploration. Successful completion of this degree will guarantee admission to a California State University that has a similar degree program, but not to a particular campus, and allow students to complete a bachelors degree. Students are strongly encouraged to meet with a counselor to discuss transfer options.
**Program Rules:** Social Work and Human Services, AA-T (Total Units 29.5 - 30.5)
All of the following
***Required Core: (Total Units 4.0 - 4.0)***
The following number of Units
***General Biology Requirement (Total Units 3.0 - 3.0)***
The following number of Units
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
***Biological Sciences Lab Requirement (Total Units 1.0 - 4.0)***
The following number of Units
BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
***Required core continued: (Total Units 19.5 - 19.5)***
The following number of Units
***Counseling Requirement (Total Units 6.0 - 6.0)***
All of the following
CNSL150 Introduction to Human Services (Total Units 3.0 - 3.0)
CNSL160A The Helping Professions Seminar (Total Units 1.0 - 1.0)
CNSL160B Fieldwork Experience for the Helping Professions (Total Units 2.0 - 2.0)
***Economics Requirement (Total Units 3.0 - 3.0)***
The following number of Units
ECON101 Principles/Micro - This course is now ECONC2001 (Total Units 3.0 - 3.0)
ECON102 Principles/Macro (Total Units 3.0 - 3.0)
***Statistics and Probability Requirement: Select one course. (Total Units 4.0 - 4.5)***
The following number of Units
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
***Psychology Requirement (Total Units 3.0 - 3.0)***
The following number of Units

PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

***Sociology Requirement (Total Units 3.0 - 3.0)***

The following number of Units

SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)

**Select (2) two courses from the following (List A): (Total Units 6.0 - 7.0)**

The following number of Units

ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
CDEV107 Child Growth and Development (DSI) (Total Units 3.0 - 3.0)
PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)
CDEV110 Child, Family and Community (DS2) (Total Units 3.0 - 3.0)
CJ101 Introduction to Criminal Justice (Total Units 3.0 - 3.0)
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
HIST120 The United States to 1877 - This course is now HISTC1001 (Total Units 3.0 - 3.0)
HIST120H Honors The United States to 1877 - This course is now HISTC1001H (Total Units 3.0 - 3.0)
HIST121 The United States Since 1865 - This course is now HISTC1002 (Total Units 3.0 - 3.0)
HIST121H Honors the United States Since 1865 - This course is now HISTC1002H (Total Units 3.0 - 3.0)
PSYC160 Introduction to Lifespan Psychology (Total Units 3.0 - 3.0)
PSYC230 Psychology of Adjustment (Total Units 3.0 - 3.0)
PSYC250 Introduction to Abnormal Psychology (Total Units 3.0 - 3.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)

**Control Number:** 37164

# CRIMINAL JUSTICE

## Criminal Justice and Administration, AS

***A.S. Degree Major***

**Unit Range for Completion:** 24.0 - 24.0

The Criminal Justice and Administration Associate of Science degree offers courses created and designed for the purpose of educating and training diverse groups of students who aspire for careers in the Criminal Justice System. The program provides both certificates and degrees that reflect our student's level of educational preparedness for entry-level opportunities in law enforcement, corrections, and the courts. Students are expected to successfully develop college-level skills and knowledge in furtherance of transferring to four-year institutions of higher learning and successful careers in Criminal Justice.

**Program Rules:** Criminal Justice and Administration, AS (Total Units 24.0 - 24.0)

All of the following

***Major Requirements: (Total Units 18.0 - 18.0)***

All of the following

CJ101 Introduction to Criminal Justice (Total Units 3.0 - 3.0)
CJ111 Community Relations and Policing (Total Units 3.0 - 3.0)
CJ112 Introduction to Corrections and Probation (Total Units 3.0 - 3.0)
CJ113 Juvenile Procedures: Delinquency and Control (Total Units 3.0 - 3.0)
CJ114 Organized Crime and Gangs in America (Total Units 3.0 - 3.0)
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)

**Please select two (2) courses from the following: (Total Units 6.0 - 6.0)**

The following number of Units

PASV151 Ethics and Professionalism: The High Calling of Public Service (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
PASV153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
PASV155 The Art of Politics and Policymaking (Total Units 3.0 - 3.0)

**Control Number:** 299

## Criminal Justice and Administration, CA

***Certificate of Achievement***

**Unit Range for Completion:** 24.0 - 24.0

The Criminal Justice and Administration Certificate of Achievement is a certificate that offers courses created and designed for the purpose of educating and training diverse groups of students who aspire for careers in the Criminal Justice System. The program provides both certificates and degrees that reflect our student's level of educational preparedness for entry-level opportunities in law enforcement, corrections, and the courts. Students are expected to successfully develop college-level skills and knowledge in furtherance of transferring to four-year institutions of higher learning and successful careers in Criminal Justice.

**Program Rules:** Criminal Justice and Administration, CA (Total Units 24.0 - 24.0)

All of the following

***Certificate Requirements: (Total Units 18.0 - 18.0)***

All of the following

CJ101 Introduction to Criminal Justice (Total Units 3.0 - 3.0)
CJ111 Community Relations and Policing (Total Units 3.0 - 3.0)
CJ112 Introduction to Corrections and Probation (Total Units 3.0 - 3.0)
CJ113 Juvenile Procedures: Delinquency and Control (Total Units 3.0 - 3.0)
CJ114 Organized Crime and Gangs in America (Total Units 3.0 - 3.0)
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)

**Please select two (2) courses from the following: (Total Units 6.0 - 6.0)**

The following number of Units

PASV151 Ethics and Professionalism: The High Calling of Public Service (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
PASV153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
PASV155 The Art of Politics and Policymaking (Total Units 3.0 - 3.0)

**Control Number:** 299

# EARTH SCIENCE

## Earth Sciences, AS

***A.S. Degree Major***

**Unit Range for Completion:** 18.0 - 21.0

The Associate of Science in Earth Sciences degree is designed to provide students who need or want broad knowledge of the Earth sciences for their profession, but do not necessarily plan on becoming professional geoscientists. In addition to the geosciences, professions where such knowledge could prove to be useful include environmental sciences, urban planning and land use, transportation, travel and tourism, education, park rangers and other recreation professionals.

**Program Rules:** Earth Sciences, AS (Total Units 18.0 - 21.0)

All of the following
***Major requirements: (Total Units 11.0 - 11.0)***
The following number of Units
ERTH100 Physical Geology (Total Units 3.0 - 3.0)
ERTH100L Physical Geology Laboratory (Total Units 1.0 - 1.0)
ERTH111 Historical Geology (Total Units 4.0 - 4.0)
**Please select one (1) of the following: (Total Units 0.0 - 0.0)**
ERTH130 Environmental Geology (Total Units 3.0 - 3.0)
ERTH160 Oceanography (Total Units 3.0 - 3.0)
GEOG130 Introduction to Weather and Climate (Total Units 3.0 - 3.0)
**Select a minimum of six (6) units from the following: (Total Units 6.0 - 6.0)**
The following number of Units
**An additional course from above (may not be a course used to satisfy the requirements in above list) (Total Units 0.0 - 0.0)**
GEOG155 and SURV155 are considered the same course and credit will be awarded for only one course. (Total Units 0.0 - 0.0)
ASTR103 Introduction to the Solar System (Total Units 3.0 - 3.0)
ERTH120 Earth Sciences (Total Units 3.0 - 3.0)
ERTH121 Earth Sciences for Educators (Total Units 3.0 - 3.0)
GEOG150 Exploring Maps and Geographic Technologies (Total Units 4.0 - 4.0)
GEOG155 Introduction to Geographic Information Systems (Total Units 3.0 - 3.0)
LIBI100 Library Research Fundamentals (Total Units 3.0 - 3.0)
LIBI103 Advanced Internet Research (Total Units 1.0 - 1.0)
SURV155 Introduction to Geographic Information Systems (Total Units 3.0 - 3.0)
**Select a minimum of one (1) unit from the following: (Total Units 1.0 - 4.0)**
The following number of Units
ERTH200 Geology of California (Total Units 3.0 - 3.0)
ERTH212 San Andreas Fault System Geology Field Study (Total Units 1.0 - 1.0)
ERTH214 Orange County Geology Field Study (Total Units 1.0 - 1.0)
**Control Number:** 11934

# ECONOMICS

## Economics, AA

***A.A. Degree Major***
**Unit Range for Completion:** 21.0 - 23.5
The Associate of Arts degree in Economics is a program of basic courses which enable students to move into a curriculum in a four-year institution leading to a baccalaureate degree. Economics prepares the student for a number of career opportunities such as accounting and marketing in the areas of business, government and teaching.
**Program Rules:** Economics, AA (Total Units 21.0 - 23.5)
The following number of Units
***Major Requirements (Total Units 14.0 - 14.0)***
All of the following
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)
ECON101 Principles/Micro - This course is now ECONC2001 (Total Units 3.0 - 3.0)
ECON102 Principles/Macro (Total Units 3.0 - 3.0)
***Mathematics and Quantitative Reasoning (Total Units 3.0 - 5.0)***
The following number of Units
BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)
MATH150 Calculus for Biological, Management, and Social Sciences (Total Units 5.0 - 5.0)
***Statistics and Probability (Total Units 4.0 - 4.5)***
The following number of Units
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
**Control Number:** 11943

## Economics, AA-T

***A.A. Degree for Transfer***
**Unit Range for Completion:** 21.0 - 24.5
The Associate in Arts in Economics for Transfer degree provides students with a program of basic courses which enables students to experience a seamless transition into a curriculum at a CSU leading to a baccalaureate degree with career opportunities in economic research, consulting, accounting, and marketing in the areas of business, teaching, and public policy. Economics is the social science that studies how individuals, businesses, and governments make choices to cope with scarcity and the incentives that influence and reconcile those choices.
**Program Rules:** Economics, AA-T (Total Units 21.0 - 24.5)
All of the following
***Major requirements: (Total Units 14.0 - 15.5)***
The following number of Units
***Economics (Total Units 6.0 - 6.0)***
All of the following
ECON101 Principles/Micro - This course is now ECONC2001 (Total Units 3.0 - 3.0)
ECON102 Principles/Macro (Total Units 3.0 - 3.0)
***Statistics and Probability (Total Units 4.0 - 4.5)***
The following number of Units
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
***Calculus Requirement (Total Units 4.0 - 5.0)***
The following number of Units
MATH150 Calculus for Biological, Management, and Social Sciences (Total Units 5.0 - 5.0)
MATH180 Single Variable Calculus I - This course is now MATHC2210 (Total Units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I - This course is now MATHC2210H (Total Units 4.0 - 4.0)
**Select one (1) course from the following (List A): (Total Units 4.0 - 4.0)**
The following number of Units
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
MATH185 Single Variable Calculus II - This course is now MATHC2220 (Total Units 4.0 - 4.0)
**Select one (1) course from the following (List B): (Total Units 3.0 - 5.0)**
The following number of Units
ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)
BUS150 Introduction to Information Systems and Applications (Total Units 4.0 - 4.0)
BUS222 Business Writing (Total Units 3.0 - 3.0)
MATH280 Intermediate Calculus (Total Units 3.0 - 3.0)
MATH287 Introduction to Linear Algebra and Differential Equations (Total Units 4.0 - 4.0)
MATH290 Linear Algebra (Total Units 5.0 - 5.0)
**Control Number:** 32968

# EDUCATION

## After School Program Assistant, CA

***Certificate of Achievement***

**Unit Range for Completion:** 9.0 - 10.0

The Certificate of Achievement in After School Program Assistant is intended to prepare a student for an entry-level position requiring practical skills and knowledge to work with children in an after-school care, tutoring, or mentoring program. Completion of this certificate leads to state certification for a School Age Assistant Permit.

**Program Rules:** After School Program Assistant, CA (Total Units 9.0 - 10.0)

The following number of Units

***Rule Group (Total Units 7.0 - 7.0)***

All of the following

CDEV120A Development of the School-Age Child (DS5) (Total Units 3.0 - 3.0)

CDEV120B School-Age Child Care and Recreation Activities (DS5) (Total Units 3.0 - 3.0)

EDUC113 Educational Strategies for Tutors and Instructional Aides (Total Units 1.0 - 1.0)

***Rule Group (Total Units 2.0 - 5.0)***

At least one of the following

CNSL118 Self Exploration and the Teaching Profession (Total Units 2.0 - 2.0)

EDUC110 The Teaching Experience: Exploration (Total Units 3.0 - 3.0)

**Control Number:** 38157

## After School Program Associate Teacher, CA

***Certificate of Achievement***

**Unit Range for Completion:** 15.0 - 16.0

The Certificate of Achievement in After School Program Associate Teacher is intended to provide students with advanced skills necessary to work with K-12 students in an after-school setting, provide tutoring / homework assistance, and assist in academic enrichment programs. In combination with the completion of the SCC After School Program Assistant Certificate, this certificate of completion leads to state certification for the School Age Associate Teacher Permit.

**Program Rules:** After School Program Associate Teacher, CA (Total Units 15.0 - 16.0)

The following number of Units

**Select one (1) course from the following: (Total Units 2.0 - 5.0)**

At least one of the following

CNSL118 Self Exploration and the Teaching Profession (Total Units 2.0 - 2.0)

EDUC110 The Teaching Experience: Exploration (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 3.0 - 6.0)**

At least one of the following

CDEV107 Child Growth and Development (DS1) (Total Units 3.0 - 3.0)

PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)

***Certificate Requirements: (Total Units 10.0 - 10.0)***

All of the following

COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)

EDUC211 Classroom Practices for Diverse Learners (Total Units 3.0 - 3.0)

EDUC113 Tutoring Reading in Elementary Schools (Total Units 1.0 - 1.0)

CDEV123B Transitional Kindergarten and Early Primary Teaching, ***Principle and Practices (DS5) (Total Units 3.0 - 3.0)***

**Control Number:** 37911

## Elementary Education, AA

***A.A. Degree Major***

**Unit Range for Completion:** 25.0 - 27.0

The Associate of Arts degree in Elementary Education is designed to prepare students for transfer to a four-year university traditional or integrated elementary teacher education program. It incorporates elementary teaching subject matter requirements for preparation in subject matter competency as established by the California Teacher Credentialing Commission. The degree program requirements, and the general education recommended electives below, prepare students in content areas for the California Subject Examinations for Teachers (CSET) of Multiple Subjects. Additionally, the degree curriculum may also serve as preparation for paraprofessional positions in the K -12 classroom meeting unit requirements for paraprofessionals as established by the No Child Left Behind Act.

**Program Rules:** Elementary Education, AA (Total Units 25.0 - 27.0)

The following number of Units

***Rule Group (Total Units 2.0 - 5.0)***

At least one of the following

CNSL118 Self Exploration and the Teaching Profession (Total Units 2.0 - 2.0)

EDUC110 The Teaching Experience: Exploration (Total Units 3.0 - 3.0)

***Rule Group (Total Units 16.0 - 16.0)***

All of the following

EDUC101 American Schools and Society (Total Units 3.0 - 3.0)

EDUC200 Introduction to Elementary Classroom Teaching (Total Units 3.0 - 3.0)

BIOL115 Concepts in Biology for Educators (Total Units 4.0 - 4.0)

ENGL270 Children's Literature (Total Units 3.0 - 3.0)

CDEV107 Child Growth and Development (DS1) (Total Units 3.0 - 3.0)

***Rule Group (Total Units 4.0 - 8.0)***

At least one of the following

ERTH121 Earth Sciences for Educators (Total Units 4.0 - 4.0)

PSC100 Survey of Chemistry and Physics (Total Units 4.0 - 4.0)

***Rule Group (Total Units 3.0 - 7.0)***

At least one of the following

MATH105 Mathematics for Liberal Arts Students (Total Units 3.0 - 3.0)

MATH203 Fundamental Concepts of Elementary Mathematics (Total Units 4.0 - 4.0)

**Control Number:** 17759

## Elementary Teacher Education, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 52.0 - 57.0

The Associate in Arts in Elementary Teacher Education for Transfer degree is designed to prepare students for seamless transfer to a California State University traditional or integrated teacher preparation program, most commonly found in the Liberal Studies major. It incorporates the elementary subject matter competence requirements as established by the California Teacher Credentialing Commission. The AA-T degree program requirements and the recommended electives prepare students in content areas for the California Subject Examinations for Teachers (CSET) of Multiple Subjects. Additionally, the degree curriculum may also serve as preparation for paraprofessional positions in the K-12 classroom, meeting unit requirements for paraprofessionals as established by the No Child Left Behind Act.

**Program Rules:** Elementary Teacher Education, AA-T (Total Units 52.0 - 57.0)

All of the following

***Major requirements: (Total Units 45.0 - 45.0)***

The following number of Units

**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

BIOL115 Concepts in Biology for Educators (Total Units 4.0 - 4.0)
COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)
CDEV107 Child Growth and Development (DSI) (Total Units 3.0 - 3.0)
EDUC200 Introduction to Elementary Classroom Teaching (Total Units 3.0 - 3.0)
**Select ENGL102 or ENGL102H. Credit will be awarded for one or the other. (Total Units 0.0 - 0.0)**
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 4.0 - 4.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 4.0 - 4.0)
ERTH121 Earth Sciences for Educators (Total Units 4.0 - 4.0)
**Select GEOG100 or GEOG100H. Credit will be awarded for one or the other. (Total Units 0.0 - 0.0)**
**Select ENGLC1000 or ENGLC1000H. Credit will be awarded for one or the other. (Total Units 0.0 - 0.0)**
ENGLC1000 Academic Reading and Writing (Total Units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (Total Units 4.0 - 4.0)
GEOG100 World Regional Geography (Total Units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)
**Select HIST101 or HIST101H. Credit will be awarded for one or the other. (Total Units 0.0 - 0.0)**
HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
**Select HIST120 or HIST120H. Credit will be awarded for one or the other. (Total Units 0.0 - 0.0)**
HIST120 The United States to 1877 - This course is now HISTC1001 (Total Units 3.0 - 3.0)
HIST120H Honors The United States to 1877 - This course is now HISTC1001H (Total Units 3.0 - 3.0)
MATH203 Fundamental Concepts of Elementary Mathematics (Total Units 4.0 - 4.0)
**Select POLSC1000 or POLSC1000H. Credit will be awarded for one or the other. (Total Units 0.0 - 0.0)**
POLSC1000 American Government and Politics (Total Units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (Total Units 3.0 - 3.0)
PSC100 Survey of Chemistry and Physics (Total Units 4.0 - 4.0)

**Select one (1) course from the following (List A): (Total Units 4.0 - 4.0)**
The following number of Units
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
PHIL110 Critical Thinking (Total Units 4.0 - 4.0)

**Select one (1) course from the following (List B): (Total Units 3.0 - 3.0)**
The following number of Units
ART100 Introduction to Art Concepts (Total Units 3.0 - 3.0)
ART100H Honors Introduction to Art Concepts (Total Units 3.0 - 3.0)
DNCE100 Dance History and Appreciation (Total Units 3.0 - 3.0)
MUS101 Music Appreciation (Total Units 3.0 - 3.0)
MUS101H Honors Music Appreciation (Total Units 3.0 - 3.0)
THEA100 Introduction to Theatre (Total Units 3.0 - 3.0)

**Up to five (5) units from the following (List C): (Total Units 0.0 - 5.0)**
The following number of Units
ANTH104 Language and Culture (Total Units 3.0 - 3.0)
EDUC101 American Schools and Society (Total Units 3.0 - 3.0)
EDUC110 The Teaching Experience: Exploration (Total Units 3.0 - 3.0)
EDUC206 Proficiency in Educational Technologies for Teachers (Total Units 3.0 - 3.0)
ENGL231 Survey of English Literature I (Total Units 3.0 - 3.0)
ENGL232 Survey of English Literature II (Total Units 3.0 - 3.0)
ENGL241 Survey of American Literature, 1600-1865 (Total Units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (Total Units 3.0 - 3.0)
ENGL270 Children's Literature (Total Units 3.0 - 3.0)
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
FREN102 Elementary French II (Total Units 5.0 - 5.0)
HIST133 History of California (Total Units 3.0 - 3.0)
MATH105 Mathematics for Liberal Arts Students (Total Units 3.0 - 3.0)
PHIL106 Introduction to Philosophy (Total Units 3.0 - 3.0)
PHIL106H Honors Introduction to Philosophy (Total Units 3.0 - 3.0)
PHIL108 Ethics (Total Units 3.0 - 3.0)
PHIL112 World Religions (Total Units 3.0 - 3.0)
SPAN102 Elementary Spanish II (Total Units 5.0 - 5.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Control Number:** 31735

# Instructional Assistant: Bilingual, Spanish, CA

***Certificate of Achievement***

**Unit Range for Completion:** 7.0 - 12.0

The Instructional Assistant: Bilingual, Spanish Certificate of Achievement prepares students for employment as bilingual instructional assistants, paraprofessionals, and teacher aides in PK–12 and adult education settings. This certificate program equips students with essential bilingual communication skills, and instructional support strategies to effectively assist in multilingual and dual immersion classrooms. Students complete foundational coursework in Education and Spanish language, with flexible options to demonstrate language proficiency through advanced Spanish courses or the Seal of Biliteracy. The program includes fieldwork experience, allowing students to apply instructional strategies in classroom settings under the guidance of experienced educators. Designed to support a diverse range of learners, including college students, dual enrollment middle and high school students, and current instructional assistants, paraprofessionals, and education staff who are seeking formal training and career advancement, the certificate serves as a pathway toward careers in bilingual education and teacher credentialing.

**Program Rules:** Instructional Assistant: Bilingual, Spanish
(Total Units 7.0 - 12.0)
All of the following

***Core 3 Courses (Total Units 7.0 - 7.0)***
The following number of Units
EDUC110 The Teaching Experience: Exploration (Total Units 3.0 - 3.0)
EDUC113 Educational Strategies for Tutors and Instructional Aides (Total Units 1.0 - 1.0)
SPAN115 Practical Communication in Spanish for Teachers (Total Units 3.0 - 3.0)

***1 Additional Spanish Course OR Seal of Biliteracy in Spanish Language: (Total Units 0.0 - 5.0)***
The following number of Units
SPAN102 Elementary Spanish II (Total Units 5.0 - 5.0)
SPAN110 Spanish for Spanish Speakers 1 (Total Units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (Total Units 5.0 - 5.0)
SPAN201 Intermediate Spanish I (Total Units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (Total Units 5.0 - 5.0)
Seal of Biliteracy in Spanish Language (Total Units 0.0 - 0.0)

**Control Number:** 37913

## Special Education Paraprofessional, CA

***Certificate of Achievement***

**Unit Range for Completion:** 14.0 - 15.0

The Certificate of Achievement in Special Education Paraprofessional will prepare the student for an entry-level position requiring practical skills and knowledge to work with persons with disabilities in a variety of educational settings. This certificate program also supports the requirements of federal legislation that all paraprofessionals/ instructional assistants/aides in Title schools be "highly qualified." In addition, the courses introduce the student to career opportunities in special education or other disability-related fields and/or provide major preparation for transfer to four-year institutions to continue a course of study in special education.

**Program Rules:** Special Education Paraprofessional, CA (Total Units 14.0 - 15.0)

All of the following

***Certificate Requirements (Total Units 14.0 - 15.0)***

The following number of Units

EDUC209 Roles and Responsibilities of the Special Education Paraprofessional (Total Units 3.0 - 3.0)

CDEV205 Introduction to Children with Special Needs (Total Units 3.0 - 3.0)

EDUC211 Classroom Practices for Diverse Learners (Total Units 3.0 - 3.0)

**Please select CDEV107 or PSYC157. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

CDEV107 Child Growth and Development (DSI) (Total Units 3.0 - 3.0)

PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)

**Please select CNSL118 or EDUC110. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

CNSL118 Self Exploration and the Teaching Profession (Total Units 2.0 - 2.0)

EDUC110 The Teaching Experience: Exploration (Total Units 3.0 - 3.0)

**Control Number:** 38158

# ELECTRICIAN

## General Electrician, AS

***A.S. Degree Major***

**Unit Range for Completion:** 31.5 - 31.5

The Associate of Science degree in General Electrician provides instruction for those seeking a career as an electrician. This meets the state requirements as an electrician trainee program.

**Program Rules:** General Electrician, AS (Total Units 31.5 - 31.5)

The following number of Units

ELCT041 General Electrician 1 (Total Units 3.0 - 3.0)
ELCT042 General Electrician 2 (Total Units 3.0 - 3.0)
ELCT043 General Electrician 3 (Total Units 3.0 - 3.0)
ELCT044 General Electrician 4 (Total Units 3.0 - 3.0)
ELCT046 General Electrician 6 (Total Units 3.0 - 3.0)
ELCT045 General Electrician 5 (Total Units 3.0 - 3.0)
ELCT047 General Electrician 7 (Total Units 3.0 - 3.0)
ELCT048 General Electrician 8 (Total Units 3.0 - 3.0)
ELCT049 General Electrician 9 (Total Units 3.0 - 3.0)
ELCT050 General Electrician 10 (Total Units 3.0 - 3.0)
ELCT051 Quality Safety Program and First Aid (Total Units 1.5 - 1.5)

**Control Number:** 18791

## General Electrician, CA

***Certificate of Achievement***

**Unit Range for Completion:** 31.5 - 31.5

The Certificate of Achievement in General Electrician provides instruction for those seeking a career as an electrician. This meets the state requirements as an electrician trainee program.

**Program Rules:** General Electrician, CA (Total Units 31.5 - 31.5)

The following number of Units

ELCT041 General Electrician 1 (Total Units 3.0 - 3.0)
ELCT042 General Electrician 2 (Total Units 3.0 - 3.0)
ELCT043 General Electrician 3 (Total Units 3.0 - 3.0)
ELCT044 General Electrician 4 (Total Units 3.0 - 3.0)
ELCT045 General Electrician 5 (Total Units 3.0 - 3.0)
ELCT046 General Electrician 6 (Total Units 3.0 - 3.0)
ELCT047 General Electrician 7 (Total Units 3.0 - 3.0)
ELCT048 General Electrician 8 (Total Units 3.0 - 3.0)
ELCT051 Quality Safety Program and First Aid (Total Units 1.5 - 1.5)
ELCT050 General Electrician 10 (Total Units 3.0 - 3.0)
ELCT049 General Electrician 9 (Total Units 3.0 - 3.0)

**Control Number:** 18790

# ELECTRONICS TECHNOLOGY

## Water System Automation, CA

***Certificate of Achievement***

**Unit Range for Completion:** 12.0 - 12.0

The Certificate of Achievement in Water System Automation is designed to prepare students for careers in the public health fields of drinking water and sanitation, as well as other fields of automation applications. This program is also designed to enable those already working in these fields to upgrade their skills. Subjects addressed include basic principles of electricity and electric power, interpretation of ladder logic diagrams, use of measurement instruments such as multimeters and oscilloscopes, laboratory construction and troubleshooting of control circuits and programmable logic controllers, and application of these technologies in the drinking water and sanitation industries.

**Program Rules:** Water System Automation, CA (Total Units 12.0 - 12.0)

The following number of Units

ETEC110 DC Circuits (Total Units 3.0 - 3.0)
ETEC120 AC Circuits (Total Units 3.0 - 3.0)
ETEC130 Programmable Logic Controllers (Total Units 3.0 - 3.0)
WATR143 Electrical Wiring and Controls for Operators (Total Units 3.0 - 3.0)

**Control Number:** 42497

# ENGLISH

## English, AA

***A.A. Degree Major***

**Unit Range for Completion:** 30.0 - 30.0

The Associate of Arts degree in English is designed to develop proficiency in written communication and in the understanding of human nature through the study of language and literature. Completion of the degree program prepares students to pursue a major in English leading to a baccalaureate degree.

**Program Rules:** English, AA (Total Units 30.0 - 30.0)

All of the following

***Major requirements: (Total Units 12.0 - 12.0)***

The following number of Units
Freshman composition (Total Units 4.0 - 4.0)
The following number of Units
ENGLC1000 Academic Reading and Writing (Total Units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (Total Units 4.0 - 4.0)
***Literature and Composition (Total Units 4.0 - 4.0)***
The following number of Units
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 4.0 - 4.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 4.0 - 4.0)
***Critical Thinking and Writing (Total Units 4.0 - 4.0)***
The following number of Units
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
**Select one (1) sequence (rule group) from the following: (Total Units 6.0 - 6.0)**
The following number of Units
***Survey of English Literature (Total Units 0.0 - 0.0)***
The following number of rules
ENGL231 Survey of English Literature I (Total Units 3.0 - 3.0)
ENGL232 Survey of English Literature II (Total Units 3.0 - 3.0)
***Survey of American Literature (Total Units 0.0 - 0.0)***
The following number of rules
ENGL241 Survey of American Literature, 1600-1865 (Total Units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (Total Units 3.0 - 3.0)
***Survey of World Literature (Total Units 0.0 - 0.0)***
The following number of rules
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
**Select four (4) courses from the following: (Total Units 12.0 - 12.0)**
The following number of Units
ENGL213 Creative Writing (Total Units 3.0 - 3.0)
ENGL231 Survey of English Literature I (Total Units 3.0 - 3.0)
ENGL232 Survey of English Literature II (Total Units 3.0 - 3.0)
ENGL233A Shakespeare's Comedies and Romances (Total Units 3.0 - 3.0)
ENGL233B Shakespeare's Tragedies and History Plays (Total Units 3.0 - 3.0)
ENGL241 Survey of American Literature, 1600-1865 (Total Units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (Total Units 3.0 - 3.0)
ENGL270 Children's Literature (Total Units 3.0 - 3.0)
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
ENGL279 Survey of Latine Literature (Total Units 3.0 - 3.0)
ENGL 280 Survey of Literature by the African Diaspora (Total Units 3.0)

**Control Number:** 11928

## English, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 20.0 - 20.0

The Associate in Arts in English for Transfer degree enables students to develop proficiency in written communication and in the understanding of human nature through the study of language and literature. Completion of the transfer degree in English prepares students to (1) communicate effectively, (2) exercise critical thinking and reasoning, (3) read and write to express creativity, and (4) explore the history of significant literary works. Successful completion of the transfer degree in English guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in English or a related field.

**Program Rules:** English, AA-T (Total Units 20.0 - 20.0)
All of the following
***Major requirements: (Total Units 8.0 - 8.0)***
The following number of Units
***Literature and Composition (Total Units 4.0 - 4.0)***
The following number of Units
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 4.0 - 4.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 4.0 - 4.0)
***Critical Thinking and Writing (Total Units 4.0 - 4.0)***
The following number of Units
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
**Select two (2) courses from the following (List A): (Total Units 6.0 - 6.0)**
The following number of Units
ENGL231 Survey of English Literature I (Total Units 3.0 - 3.0)
ENGL232 Survey of English Literature II (Total Units 3.0 - 3.0)
ENGL241 Survey of American Literature, 1600-1865 (Total Units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (Total Units 3.0 - 3.0)
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
**Select one (1) course from the following (List B): (Total Units 3.0 - 3.0)**
The following number of Units
**An additional course from List A (may not be a course used to satisfy the requirements in List A or B) (Total Units 0.0 - 0.0)**
ENGL213 Creative Writing (Total Units 3.0 - 3.0)
**Select one (1) course from the following (List C): (Total Units 3.0 - 3.0)**
The following number of Units
**An additional course from List A (may not be a course used to satisfy the requirements in List A or B) (Total Units 0.0 - 0.0)**
ENGL233A Shakespeare's Comedies and Romances (Total Units 3.0 - 3.0)
ENGL233B Shakespeare's Tragedies and History Plays (Total Units 3.0 - 3.0)
ENGL270 Children's Literature (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
ENGL279 Survey of Latine Literature (Total Units 3.0 - 3.0)
ENGL 280 Survey of Literature by the African Diaspora (Total Units 3.0)

**Control Number:** 31366

# ETHNIC STUDIES

## Ethnic Studies, AA

***A.A. Degree Major***

**Unit Range for Completion:** 18.0 - 18.0

The Associate in Arts Degree in Ethnic Studies is designed to provide students with a comparative and interdisciplinary examination of the unique histories, cultures, and experiences of African Americans, Asian and Pacific Islander Americans, Latino/x Americans, and Native Americans in the United States. Students will assess their own individual cultural identity/ies, build consciousness about race and ethnic relations

in America, and begin to formulate and implement strategies that will challenge multiple and intersecting forms of oppression. The major prepares students to work collaboratively with diverse populations given its emphasis on group-centered leadership and communication skills, as well as, critical thinking and praxis. Completion of the associates of arts degree facilitates a pathway to move into a four-year institution leading to baccalaureate degree.

**Program Rules:** Ethnic Studies, AA (Total Units 18.0 - 18.0)
All of the following
***Major Requirements: (Total Units 15.0 - 15.0)***
The following number of Units
**Select ETHN101 or SOC101 (Total Units 0.0 - 0.0)**
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN110 Introduction to Asian Pacific American Studies (Total Units 3.0 - 3.0)
ETHN120 Introduction to African American Studies (Total Units 3.0 - 3.0)
CHST101 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
ETHN140 Introduction to Native American Studies (Total Units 3.0 - 3.0)
**Select one (1) from the following: (Total Units 3.0 - 3.0)**
The following number of Units
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
COMM120 Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
ENGL246 Survey of Chicano Literature (Total Units 3.0 - 3.0)
ENGL280 Literature of the African Diaspora (Total Units 3.0 - 3.0)
HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States \ (Total Units 3.0 - 3.0)
HIST132 Modern African History (Total Units 3.0 - 3.0)
HIST142 History of the Modern Middle East (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
HIST162 Asian Civilizations (Total Units 3.0 - 3.0)
**Control Number:** 39808

# GEMOLOGY

## Gemology, AS

***A.S. Degree Major***
**Unit Range for Completion:** 18.0 - 18.0
The Associate of Science degree in Gemology provides technical and practical theory and knowledge in diamonds and colored stones including laboratory grading, identification and evaluation of gems. Employment opportunities upon completion of this program: jewelry appraiser, diamond and colored stones sales, jewelry buyer, jewelry wholesaler and laboratory gemologist.
**Program Rules:** Gemology, AS (Total Units 18.0 - 18.0)
The following number of Units
GEM011 Introductory Colored Stones (Total Units 4.0 - 4.0)
GEM012 Advanced Colored Stones (Total Units 4.0 - 4.0)
GEM020 Diamonds (Total Units 4.0 - 4.0)
GEM030 Antique and Period Jewelry (Total Units 3.0 - 3.0)
GEM050 Pearls (Total Units 3.0 - 3.0)
**Control Number:** 11874

## Gemology, CA

***Certificate of Achievement***
**Unit Range for Completion:** 18.0 - 18.0
The Certificate of Achievement in Gemology provides technical and practical theory and knowledge in diamonds and colored stones including laboratory grading, identification and evaluation of gems. Employment opportunities upon completion of this program: jewelry appraiser, diamond and colored stones sales, jewelry buyer, jewelry wholesaler and laboratory gemologist.
**Program Rules:** Gemology, CA (Total Units 18.0 - 18.0)
The following number of Units
GEM011 Introductory Colored Stones (Total Units 4.0 - 4.0)
GEM012 Advanced Colored Stones (Total Units 4.0 - 4.0)
GEM020 Diamonds (Total Units 4.0 - 4.0)
GEM030 Antique and Period Jewelry (Total Units 3.0 - 3.0)
GEM050 Pearls (Total Units 3.0 - 3.0)
**Control Number:** 21644

# GENDER, SEXUALITY, AND WOMEN'S STUDIES STUDIES

## Gender, Sexuality, and Women's Studies, AA

***A.A. Degree Major***
**Unit Range for Completion:** 18.0 - 19.0
The Associate of Arts degree in Gender, Sexuality, and Women's Studies is a liberal arts major offering interdisciplinary perspectives on the importance of gender and sexualities in relation to issues such as race, class, ethnicity, nationality, religion, age, (dis)ability, labor, multiculturalism, globalization, and the environment. Utilizing a variety of theoretical and methodological approaches in their study of the intersections of gender and sexuality with multiple identities, students are empowered to make theoretically informed personal, social, cultural, and institutional changes. Completion of the associate of arts degree prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree.
**Program Rules:** Gender, Sexuality, and Women's Studies, AA (Total Units 18.0 - 19.0)
All of the following
***Major requirements: (Total Units 15.0 - 15.0)***
All of the following
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
GSWS102 Money, Sex, and Power (Total Units 3.0 - 3.0)
GSWS103 Men and Masculinities (Total Units 3.0 - 3.0)
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
**Select three (3) to four (4) units from the following: (Total Units 3.0 - 4.0)**
The following number of Units
CNSL116 Career/Life Planning and Personal Exploration (Total Units 3.0 - 3.0)
COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
HIST129 LGBTQ+ History in the U.S. (Total Units 3.0 - 3.0)
IDS155 Human Sexuality (Total Units 3.0 - 3.0)
INFO103 Researching in the Digital Age (Total Units 1.0 - 1.0)
KIN110 Women's Health Issues (Total Units 3.0 - 3.0)
PHIL108 Ethics (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)

SOC130 Relationships, Marriages, and Family Dynamics (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)
**Control Number:** 11938

# GROGRAPHY AND THE ENVIRONMENT

## Geography AA-T

***A.A. Degree for Transfer***
**Unit Range for Completion:** 17.0 - 19.0
The Associate of Arts degree for Transfer curriculum in Geography provides students with a global understanding and environmental awareness. Geography students utilize a spatial perspective for analyzing physical and cultural landscapes across Earth. Geography's interdisciplinary approach is ideal for students wishing to integrate physical and social sciences. The Geography and the Environment department prepares students for entry into a curriculum at a four-year institution leading to a baccalaureate degree with career opportunities in a wide range of industries including urban planning, market research, land use analysis, transportation, travel and tourism, education as well as state, local and national government agencies.
**Program Rules:** Geography, AA-T (Total Units 17.0 - 19.0)
All of the following
***Major requirements: (Total Units 7.0 - 7.0)***
The following number of Units
***Physical (Total Units 4.0 - 4.0)***
The following number of Units
**GEOG101/GEOG101H are considered the same course. Please select one(1) course. Credit will only be awarded for one. (Total Units 0.0 - 0.0)**
GEOG101 Introduction to the Natural Environment (Total Units 3.0 - 3.0)
GEOG101H Honors Introduction to the Natural Environment (Total Units 3.0 - 3.0)
GEOG101L Introduction to the Natural Environment Laboratory (Total Units 1.0 - 1.0)
***Cultural (Total Units 3.0 - 3.0)***
The following number of Units
GEOG100 World Regional Geography (Total Units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)
GEOG102 Cultural Geography (Total Units 3.0 - 3.0)
GEOG102H Honors Cultural Geography (Total Units 3.0 - 3.0)
**Select two (2) courses from the following (List A): (Total Units 4.0 - 6.0)**
The following number of Units
Any CORE course not already used (Total Units 0.0 - 0.0)
**GEOG155/SURV155 are considered the same course. Please select one(1) course. Credit will only be awarded for one. (Total Units 0.0 - 0.0)**
GEOG130 Introduction to Weather and Climate (Total Units 3.0 - 3.0)
GEOG130H Honors Introduction to Weather and Climate ( Total Units 3.0 - 3.0)
GEOG140 California Geography (Total Units 3.0 - 3.0)
GEOG150 Exploring Maps and Geographic Technologies (Total Units 3.0 - 3.0)
GEOG155 Introduction to Geographic Information Systems (Total Units 3.0 - 3.0)
GEOG160 Regional Field Studies (Total Units 1.0 - 1.0)
SURV155 Introduction to Geographic Information Systems (Total Units 3.0 - 3.0)
**Select two (2) courses from the following (List B): (Total Units 6.0 - 6.0)**
The following number of Units
***Any List A course not already used (Total Units 0.0 - 0.0)***
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
ERTH100 Physical Geology (Total Units 3.0 - 3.0)
ERTH160 Oceanography (Total Units 3.0 - 3.0)
POLT220 International Politics (Total Units 3.0 - 3.0)
SOC150 Introduction to Race and Ethnicity (Total Units 3.0 - 3.0)
**Control Number:** 32364

# GEOLOGY

## Geology, AS-T

***A.S. Degree for Transfer***
**Unit Range for Completion:** 26.0 - 26.0
The Associate in Science in Geology for Transfer degree prepares students for transfer to a four-year college or university to complete a baccalaureate degree in a geoscience major. Geoscientists find employment with environmental companies that clean up and monitor pollution problems. Geotechnical companies also employ geoscientists to evaluate risk from earthquakes, landslides, and other geological hazards. Oil and mining companies employ geoscientists to find new resources. The federal, state, county, and city governments also employ geoscientists for many of the same functions, as well as for geoscience research, and to monitor compliance with environmental regulations. Universities, colleges, and museums offer opportunities for teaching and/or research. Successful completion of the Associate in Science in Geology for Transfer guarantees the student acceptance to a California State University campus to pursue a baccalaureate degree in geology or a related field. While it does not guarantee the student acceptance to the University of California system, it does provide the major preparation needed by geology students transferring to a University of California campus in geology or related fields.
**Program Rules:** Geology, AS-T (Total Units 26.0 - 26.0)
The following number of Units
***Rule Group (Total Units 5.0 - 10.0)***
At least one of the following
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
***Rule Group (Total Units 17.0 - 17.0)***
All of the following
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)
MATH185 Single Variable Calculus II (Total Units 4.0 - 4.0)
ERTH100 Physical Geology (Total Units 3.0 - 3.0)
ERTH100L Physical Geology Laboratory (Total Units 1.0 - 1.0)
ERTH111 Historical Geology (Total Units 4.0 - 4.0)
***Rule Group (Total Units 4.0 - 8.0)***
At least one of the following
MATH180 Single Variable Calculus I (Total Units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I (Total Units 4.0 - 4.0)
**Control Number:** 32044

# HISTORY

## Global Studies, CA

***Certificate of Achievement***

**Unit Range for Completion:** 12.0 - 12.0

The certificate in Global Studies within the Department of History is intended to prepare a student in the History Department with particular insights into global perspectives and historical experiences such that the student may successfully enter a globally-oriented program of study after transfer to a four-year institution. It provides students access to a concentrated course of study that offers a full scope of knowledge from lower-division survey courses centered on global states and societies. Additionally, it offers exposure to interdisciplinary education, which is central to many programs of study at four-year institutions such as international relations and global studies. Students will complete a total of 12 units, 9 of which will be in the History Department and 3 of which will be in either the Geography Department or Political Science Department. Completion of a History Department Certificate in Global Studies can be completed over one to two years.

**Program Rules:** Global Studies, CA (Total Units 12.0 - 12.0)

All of the following

***Certificate Requirements: (Total Units 3.0 - 3.0)***

The following number of Units

HIST102 World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)

HIST102H Honors World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)

**Select two (2) courses from the following: (Total Units 6.0 - 6.0)**

The following number of Units

HIST132 Modern African History (Total Units 3.0 - 3.0)

HIST142 History of the Modern Middle East (Total Units 3.0 - 3.0)

HIST152 Latin American History (Total Units 3.0 - 3.0)

HIST162 Asian Civilizations (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 3.0 - 3.0)**

The following number of Units

GEOG100 World Regional Geography (Total Units 3.0 - 3.0)

GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)

POLT220 International Politics (Total Units 3.0 - 3.0)

**Control Number:** 39807

## History, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 18.0 - 18.0

The Associate in Arts in History for Transfer degree introduces students to the methods and perspectives of historical inquiry, fostering critical analysis of the past and its influence on contemporary cultural, social, economic, and political developments at local, national, and global levels. Successful completion of the Associate in Arts in History for Transfer degree guarantees admission to the California State University system to pursue a baccalaureate degree in History or a related field. Graduates who continue their studies gain skills applicable to careers in law, education, public service, business, technology, research, communications, cultural and nonprofit institutions, and other fields that value critical thinking, evidence-based analysis, and clear writing.

**Program Rules:** History, AA-T (Total Units 18.0 - 18.0)

All of the following

***Major requirements: (Total Units 12.0 - 12.0)***

The following number of Units

***HIST101 (Total Units 3.0 - 6.0)***

At least one of the following

HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)

HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)

***HIST102 (Total Units 3.0 - 6.0)***

At least one of the following

HIST102 World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)

HIST102H Honors World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)

***HIST120 (Total Units 3.0 - 6.0)***

At least one of the following

HISTC1001 United States History to 1877 (Total Units 3.0 - 3.0)

HIST120H Honors The United States to 1877 - This course is now HISTC1001H (Total Units 3.0 - 3.0)

***HIST121 (Total Units 3.0 - 6.0)***

At least one of the following

HISTC1002 United States History since 1865 (Total Units 3.0 - 3.0)

HIST121H Honors the United States Since 1865 - This course is now HISTC1002H (Total Units 3.0 - 3.0)

**Select one (1) course from Area 1: (Total Units 3.0 - 3.0)**

The following number of Units

HIST115 African American History (Total Units 3.0 - 3.0)

HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)

HIST127 Women in U.S. History (Total Units 3.0 - 3.0)

HIST129 LGBTQ+ History in the U.S. (Total Units 3.0 - 3.0)

HIST132 Modern African History (Total Units 3.0 - 3.0)

HIST142 History of the Modern Middle East (Total Units 3.0 - 3.0)

HIST152 Latin American History (Total Units 3.0 - 3.0)

HIST162 Asian Civilizations (Total Units 3.0 - 3.0)

HIST172 Jewish History (Total Units 3.0 - 3.0)

**Select one (1) course from Area 2: (Total Units 3.0 - 3.0)**

The following number of Units

ECON102 Principles/Macro (Total Units 3.0 - 3.0)

GEOG100 World Regional Geography (Total Units 3.0 - 3.0)

GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)

HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)

HIST125 Native Americans in the U.S. (Total Units 3.0 - 3.0)

HIST133 History of California (Total Units 3.0 - 3.0)

PHIL118 History of Philosophy (Total Units 3.0 - 3.0)

POLSC1000 American Government and Politics (Total Units 3.0 - 3.0)

POLSC1000H American Government and Politics - Honors (Total Units 3.0 - 3.0)

POLT220 International Politics (Total Units 3.0 - 3.0)

POLT221 Women in American Politics (Total Units 3.0 - 3.0)

POLT230 Political Theory (Total Units 3.0 - 3.0)

**Control Number:** 31720

# KINESIOLOGY

## Kinesiology - Fitness and Active Lifestyle, AS

***A.S. Degree Major***

**Unit Range for Completion:** 20.0 - 24.0

The Associate in Science degree in Kinesiology - Fitness and Active Lifestyle provides students with a qualification in Kinesiology, and may also be used in transferring to a CSU or private institution for completion of a 4-year degree.

Please consult a counselor regarding specific course requirements for transfer.

Upon completion of the Associate in Science degree in Kinesiology - Fitness and Active Lifestyle, students will have a general understanding and appreciation of human movement for personal expression and wellness, and be able to apply fitness-based concepts.

**Program Rules:** Kinesiology - Fitness and Active Lifestyle, AS (Total Units 20.0 - 24.0)

All of the following

***Major Requirements: (Total Units 9.0 - 9.0)***

The following number of Units

KIN100 Introduction to Kinesiology (Total Units 3.0 - 3.0)
NUTR115 Nutrition (Total Units 3.0 - 3.0)

**Select one (1) of the following PSYC courses: (Total Units 0.0 - 0.0)**

PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

**Select five (5) units from the following. Must select one (1) unit course(s) from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total Units 0.0 - 0.0)**

***AQUATICS - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***

The following number of Units

KIN185A Basic Swimming (Total Units 1.0 - 1.0)
KIN185B Intermediate Swimming (Total Units 1.0 - 1.0)
KIN185C Advanced Swimming (Total Units 1.0 - 1.0)

***COMBATIVES - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***

The following number of Units

KIN125A Basic Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)

***DANCE - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***

The following number of Units

DNCE106A Introduction to Modern Dance I (Total Units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (Total Units 1.0 - 1.0)
DNCE108A Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE108B Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (Total Units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (Total Units 1.0 - 1.0)

***FITNESS - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***

The following number of Units

KIN119 Personal Fitness Evaluation (Total Units 1.0 - 1.0)
KIN126A Basic Spin (Total Units 1.0 - 1.0)
KIN126B Intermediate Spin (Total Units 1.0 - 1.0)
KIN127A Basic Yoga (Total Units 1.0 - 1.0)
KIN127B Intermediate Yoga (Total Units 1.0 - 1.0)
KIN127C Advanced Yoga (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (Total Units 1.0 - 1.0)
KIN146B Intermediate Strength Training (Total Units 1.0 - 1.0)
KIN146C Advanced Strength Training (Total Units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (Total Units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (Total Units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (Total Units 1.0 - 1.0)
KIN203 Speed and Agility-Men (Total Units 1.0 - 1.0)
KIN204 Speed and Agility-Women (Total Units 1.0 - 1.0)

***TEAM SPORTS - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***

The following number of Units

KIN160A Basic Basketball (Total Units 1.0 - 1.0)
KIN160B Intermediate Basketball (Total Units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (Total Units 1.0 - 1.0)
KIN168A Basic Volleyball (Total Units 1.0 - 1.0)
***KIN168B Intermediate Volleyball (Total Units 1.0 - 1.0)***

**Select a minimum of six (6) units from the following: (Total Units 6.0 - 10.0)**

The following number of Units

BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL139 Health Microbiology (Total Units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
KIN101 First Aid and CPR (Total Units 3.0 - 3.0)
KIN102 Nutrition and Fitness (Total Units 2.0 - 2.0)
KIN104 Healthful Living (Total Units 3.0 - 3.0)
KIN109 Sport in US Society (Total Units 3.0 - 3.0)
KIN110 Women's Health Issues (Total Units 3.0 - 3.0)
KIN111 Sports Psychology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Control Number:** 39916

## Kinesiology - Fitness and Active Lifestyle, CA

***Certificate of Achievement***

**Unit Range for Completion:** 20.0 - 24.0

The Certificate of Achievement in Kinesiology - Fitness and Active Lifestyle provides students with a qualification in Kinesiology, and may also be used in transferring to a CSU or private institution for completion of a 4-year degree.

Please consult a counselor regarding specific course requirements for transfer.

Upon completion of the Certificate of Achievement in Kinesiology - Fitness and Active Lifestyle, students will have a general understanding and appreciation of human movement for personal expression and wellness, and be able to apply fitness-based concepts.

**Program Rules:** Kinesiology - Fitness and Active Lifestyle, CA (Total Units 20.0 - 24.0)

All of the following

***Certificate Requirements: (Total Units 9.0 - 9.0)***

The following number of Units

KIN100 Introduction to Kinesiology (Total Units 3.0 - 3.0)
NUTR115 Nutrition (Total Units 3.0 - 3.0)
**Select one (1) PSYC course from the following: (Total Units 0.0 - 0.0)**
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
**Select five (5) units from the following. Must select one (1) unit course(s) from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total Units 0.0 - 0.0)**
***AQUATICS - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***
The following number of Units
KIN185A Basic Swimming (Total Units 1.0 - 1.0)
KIN185B Intermediate Swimming (Total Units 1.0 - 1.0)
KIN185C Advanced Swimming (Total Units 1.0 - 1.0)
***COMBATIVES - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***
The following number of Units
KIN125A Basic Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
***DANCE - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***
The following number of Units
DNCE106A Introduction to Modern Dance I (Total Units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (Total Units 1.0 - 1.0)
DNCE108A Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE108B Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (Total Units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (Total Units 1.0 - 1.0)
***FITNESS - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***
The following number of Units
KIN119 Personal Fitness Evaluation (Total Units 1.0 - 1.0)
KIN126A Basic Spin (Total Units 1.0 - 1.0)
KIN126B Intermediate Spin (Total Units 1.0 - 1.0)
KIN127A Basic Yoga (Total Units 1.0 - 1.0)
KIN127B Intermediate Yoga (Total Units 1.0 - 1.0)
KIN127C Advanced Yoga (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (Total Units 1.0 - 1.0)
KIN146B Intermediate Strength Training (Total Units 1.0 - 1.0)
KIN146C Advanced Strength Training (Total Units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (Total Units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (Total Units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (Total Units 1.0 - 1.0)
KIN203 Speed and Agility-Men (Total Units 1.0 - 1.0)
KIN204 Speed and Agility-Women (Total Units 1.0 - 1.0)
***TEAM SPORTS - Select one (1) unit from the following: (Total Units 1.0 - 1.0)***
The following number of Units
KIN160A Basic Basketball (Total Units 1.0 - 1.0)
KIN160B Intermediate Basketball (Total Units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (Total Units 1.0 - 1.0)
KIN168A Basic Volleyball (Total Units 1.0 - 1.0)
KIN168B Intermediate Volleyball (Total Units 1.0 - 1.0)
***ELECTIVES: Select a minimum of six (6) units from the following: (Total Units 6.0 - 10.0)***
The following number of Units
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
KIN101 First Aid and CPR (Total Units 3.0 - 3.0)
KIN102 Nutrition and Fitness (Total Units 2.0 - 2.0)
KIN104 Healthful Living (Total Units 3.0 - 3.0)
KIN109 Sport in US Society (Total Units 3.0 - 3.0)
KIN110 Women's Health Issues (Total Units 3.0 - 3.0)
KIN111 Sports Psychology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
**Control Number:** 39917

# Kinesiology - Health Promotion, AS

***A.S. Degree Major***
**Unit Range for Completion:** 22.0 - 26.0
The Associate in Science degree in Kinesiology - Health Promotion provides students with a qualification in Kinesiology, and may also be used in transferring to a CSU or private institution for completion of a 4-year degree.

Please consult a counselor regarding specific course requirements for transfer.

Upon completion of the Associate in Science degree in Kinesiology - Health Promotion, students will have a general understanding of Kinesiology and Health Promotion and be able to apply fitness-based concepts.
**Program Rules:** Kinesiology - Health Promotion, AS (Total Units 22.0 - 26.0)
All of the following
***Major Requirements: (Total Units 12.0 - 12.0)***
The following number of Units
KIN100 Introduction to Kinesiology (Total Units 3.0 - 3.0)
KIN101 First Aid and CPR (Total Units 3.0 - 3.0)
KIN104 Healthful Living (Total Units 3.0 - 3.0)
**Select one (1) PSYC course from the following: (Total Units 0.0 - 0.0)**
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
**Select four (4) units from the following areas. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total Units 4.0 - 4.0)**
***AQUATICS (Total Units 0.0 - 0.0)***
The following number of Units
KIN185A Basic Swimming (Total Units 1.0 - 1.0)
KIN185B Intermediate Swimming (Total Units 1.0 - 1.0)
KIN185C Advanced Swimming (Total Units 1.0 - 1.0)
***COMBATIVES (Total Units 0.0 - 0.0)***
The following number of Units
KIN125A Basic Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
***DANCE (Total Units 0.0 - 0.0)***
The following number of Units
DNCE106A Introduction to Modern Dance I (Total Units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (Total Units 1.0 - 1.0)
DNCE108A Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE108B Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (Total Units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (Total Units 1.0 - 1.0)
***FITNESS (Total Units 0.0 - 0.0)***
The following number of Units

KIN119 Personal Fitness Evaluation (Total Units 1.0 - 1.0)
KIN126A Basic Spin (Total Units 1.0 - 1.0)
KIN126B Intermediate Spin (Total Units 1.0 - 1.0)
KIN127A Basic Yoga (Total Units 1.0 - 1.0)
KIN127B Intermediate Yoga (Total Units 1.0 - 1.0)
KIN127C Advanced Yoga (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (Total Units 1.0 - 1.0)
KIN146B Intermediate Strength Training (Total Units 1.0 - 1.0)
KIN146C Advanced Strength Training (Total Units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (Total Units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (Total Units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (Total Units 1.0 - 1.0)
KIN203 Speed and Agility-Men (Total Units 1.0 - 1.0)
KIN204 Speed and Agility-Women (Total Units 1.0 - 1.0)

***TEAM SPORTS (Total Units 0.0 - 0.0)***
The following number of Units
KIN160A Basic Basketball (Total Units 1.0 - 1.0)
KIN160B Intermediate Basketball (Total Units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (Total Units 1.0 - 1.0)
KIN168A Basic Volleyball (Total Units 1.0 - 1.0)
KIN168B Intermediate Volleyball (Total Units 1.0 - 1.0)

***ELECTIVES - Select a minimum of six (6) units from the following: (Total Units 6.0 - 10.0)***
The following number of Units
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
BIOLI109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOLI109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOLI109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOLI109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOLI139 Health Microbiology (Total Units 4.0 - 4.0)
BIOLI149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
KIN102 Nutrition and Fitness (Total Units 2.0 - 2.0)
KIN109 Sport in US Society (Total Units 3.0 - 3.0)
KIN110 Women's Health Issues (Total Units 3.0 - 3.0)
KIN111 Sports Psychology (Total Units 3.0 - 3.0)
NUTR115 Nutrition (Total Units 3.0 - 3.0)
PSYC200 Introduction to Biological Psychology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Control Number:** 39918

# Kinesiology - Health Promotion, CA

***Certificate of Achievement***
**Unit Range for Completion:** 22.0 - 26.0
The Certificate of Achievement in Kinesiology - Health Promotion provides students with a qualification in Kinesiology, and may also be used in transferring to a CSU or private institution for completion of a 4-year degree.

Please consult a counselor regarding specific course requirements for transfer.

Upon completion of the Certificate of Achievement in Kinesiology - Health Promotion, students will have a general understanding of Kinesiology and Health Promotion and be able to apply fitness-based concepts.

**Program Rules:** Kinesiology - Health Promotion, CA (Total Units 22.0 - 26.0)
All of the following

***Certificate Requirements: (Total Units 12.0 - 12.0)***
The following number of Units
KIN100 Introduction to Kinesiology (Total Units 3.0 - 3.0)
KIN101 First Aid and CPR (Total Units 3.0 - 3.0)
KIN104 Healthful Living (Total Units 3.0 - 3.0)

**Select one (1) PSYC course from the following: (Total Units 0.0 - 0.0)**
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

**Select four (4) units from the following. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total Units 4.0 - 4.0)**

***AQUATICS (Total Units 0.0 - 0.0)***
The following number of Units
KIN185A Basic Swimming (Total Units 1.0 - 1.0)
KIN185B Intermediate Swimming (Total Units 1.0 - 1.0)
KIN185C Advanced Swimming (Total Units 1.0 - 1.0)

***COMBATIVES (Total Units 0.0 - 0.0)***
The following number of Units
KIN125A Basic Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN185A Basic Swimming (Total Units 1.0 - 1.0)

***DANCE (Total Units 0.0 - 0.0)***
The following number of Units
DNCE106A Introduction to Modern Dance I (Total Units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (Total Units 1.0 - 1.0)
DNCE108A Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE108B Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (Total Units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (Total Units 1.0 - 1.0)

***FITNESS (Total Units 0.0 - 0.0)***
The following number of Units
KIN119 Personal Fitness Evaluation (Total Units 1.0 - 1.0)
KIN126A Basic Spin (Total Units 1.0 - 1.0)
KIN126B Intermediate Spin (Total Units 1.0 - 1.0)
KIN127A Basic Yoga (Total Units 1.0 - 1.0)
KIN127B Intermediate Yoga (Total Units 1.0 - 1.0)
KIN127C Advanced Yoga (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (Total Units 1.0 - 1.0)
KIN146B Intermediate Strength Training (Total Units 1.0 - 1.0)
KIN146C Advanced Strength Training (Total Units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (Total Units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (Total Units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (Total Units 1.0 - 1.0)
KIN203 Speed and Agility-Men (Total Units 1.0 - 1.0)
KIN204 Speed and Agility-Women (Total Units 1.0 - 1.0)

***TEAM SPORTS (Total Units 0.0 - 0.0)***
The following number of Units
KIN160A Basic Basketball (Total Units 1.0 - 1.0)
KIN160B Intermediate Basketball (Total Units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (Total Units 1.0 - 1.0)
KIN168A Basic Volleyball (Total Units 1.0 - 1.0)
KIN168B Intermediate Volleyball (Total Units 1.0 - 1.0)

***ELECTIVES - Select a minimum of six (6) units from the following: (Total Units 6.0 - 10.0)***
The following number of Units

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL139 Health Microbiology (Total Units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
KIN102 Nutrition and Fitness (Total Units 2.0 - 2.0)
KIN109 Sport in US Society (Total Units 3.0 - 3.0)
KIN110 Women's Health Issues (Total Units 3.0 - 3.0)
KIN111 Sports Psychology (Total Units 3.0 - 3.0)
NUTR115 Nutrition (Total Units 3.0 - 3.0)
PSYC200 Introduction to Biological Psychology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Control Number:** 39919

# Kinesiology - Sport Studies, AS

***A.S. Degree Major***

**Unit Range for Completion:** 20.0 - 24.0

The Associate in Science degree in Kinesiology - Sport Studies provides students with a qualification in Kinesiology and may also be used in transferring to a CSU or private institution for completion of a 4-year degree.

Please consult a counselor regarding specific course requirements for transfer.

Upon completion of the Associate in Science degree in Kinesiology - Sport Studies, students will have a general understanding of kinesthetic forms, processes, and structures as they apply to the personal expression and culture of human movement, and be able to apply fitness-based concepts.

**Program Rules:** Kinesiology - Sport Studies, AS (Total Units 20.0 - 24.0)
All of the following

***Major Requirements (Total Units 14.0 - 14.0)***
The following number of Units
KIN100 Introduction to Kinesiology (Total Units 3.0 - 3.0)
KIN109 Sport in US Society (Total Units 3.0 - 3.0)
Select BIOL109 or BIOL109H (Total Units 0.0 - 0.0)
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
**Select BIOL109L or BIOL109HL (Total Units 0.0 - 0.0)**
BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
**Select one from STATC1000, STATC1000E, or STATC1000H. (Total Units 0.0 - 0.0)**
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total Units 3.0 - 3.0)**

***AQUATICS (Total Units 0.0 - 0.0)***
The following number of Units
KIN185A Basic Swimming (Total Units 1.0 - 1.0)
KIN185B Intermediate Swimming (Total Units 1.0 - 1.0)
KIN185C Advanced Swimming (Total Units 1.0 - 1.0)

***COMBATIVES (Total Units 0.0 - 0.0)***
The following number of Units
KIN125A Basic Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)

***DANCE (Total Units 0.0 - 0.0)***
The following number of Units
DNCE106A Introduction to Modern Dance I (Total Units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (Total Units 1.0 - 1.0)
DNCE108A Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE108B Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (Total Units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (Total Units 1.0 - 1.0)

***FITNESS (Total Units 0.0 - 0.0)***
The following number of Units
KIN119 Personal Fitness Evaluation (Total Units 1.0 - 1.0)
KIN126A Basic Spin (Total Units 1.0 - 1.0)
KIN126B Intermediate Spin (Total Units 1.0 - 1.0)
KIN127A Basic Yoga (Total Units 1.0 - 1.0)
KIN127B Intermediate Yoga (Total Units 1.0 - 1.0)
KIN127C Advanced Yoga (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (Total Units 1.0 - 1.0)
KIN146B Intermediate Strength Training (Total Units 1.0 - 1.0)
KIN146C Advanced Strength Training (Total Units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (Total Units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (Total Units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (Total Units 1.0 - 1.0)
KIN203 Speed and Agility-Men (Total Units 1.0 - 1.0)
KIN204 Speed and Agility-Women (Total Units 1.0 - 1.0)

***TEAM SPORTS (Total Units 0.0 - 0.0)***
The following number of Units
KIN160A Basic Basketball (Total Units 1.0 - 1.0)
KIN160B Intermediate Basketball (Total Units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (Total Units 1.0 - 1.0)
KIN168A Basic Volleyball (Total Units 1.0 - 1.0)
KIN168B Intermediate Volleyball (Total Units 1.0 - 1.0)

***ELECTIVES - Select a minimum of three (3) units from the following: (Total Units 3.0 - 7.0)***
The following number of Units
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL139 Health Microbiology (Total Units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
KIN101 First Aid and CPR (Total Units 3.0 - 3.0)
KIN102 Nutrition and Fitness (Total Units 2.0 - 2.0)
KIN104 Healthful Living (Total Units 3.0 - 3.0)
KIN110 Women's Health Issues (Total Units 3.0 - 3.0)
KIN111 Sports Psychology (Total Units 3.0 - 3.0)
NUTR115 Nutrition (Total Units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

**Control Number:** 39920

# Kinesiology - Sport Studies, CA

***Certificate of Achievement***

**Unit Range for Completion:** 20.0 - 24.0

The Certificate of Achievement in Kinesiology - Sport Studies provides students with a qualification in Kinesiology and may also be used in transferring to a CSU or private institution for completion of a 4-year degree.

Please consult a counselor regarding specific course requirements for transfer.

Upon completion of the Certificate of Achievement of Kinesiology - Sport Studies, students will have a general understanding of kinesthetic forms, processes and structures as they apply to the personal expression and culture of human movement, and be able to apply fitness-based concepts.

**Program Rules:** Kinesiology - Sport Studies, CA (Total Units 20.0 - 24.0)

All of the following

***Certificate Requirements: (Total Units 14.0 - 14.0)***

The following number of Units

KIN100 Introduction to Kinesiology (Total Units 3.0 - 3.0)
KIN109 Sport in US Society (Total Units 3.0 - 3.0)
Select BIOL109 or BIOL109H (Total Units 0.0 - 0.0)
BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
Select BIOL109L or BIOL109HL (Total Units 0.0 - 0.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (Total Units 1.0 - 1.0)

**Select one from STATC1000 or STATC1000E or STATC1000H (Total Units 0.0 - 0.0)**

STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports (Total Units 0.0 - 0.0)**

***AQUATICS (Total Units 3.0 - 3.0)***

The following number of Units

KIN185A Basic Swimming (Total Units 1.0 - 1.0)
KIN185B Intermediate Swimming (Total Units 1.0 - 1.0)
KIN185C Advanced Swimming (Total Units 1.0 - 1.0)

***COMBATIVES (Total Units 0.0 - 0.0)***

The following number of Units

KIN125A Basic Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)

***DANCE (Total Units 0.0 - 0.0)***

The following number of Units

DNCE106A Introduction to Modern Dance I (Total Units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (Total Units 1.0 - 1.0)
DNCE108A Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE108B Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (Total Units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (Total Units 1.0 - 1.0)

***FITNESS (Total Units 0.0 - 0.0)***

The following number of Units

KIN119 Personal Fitness Evaluation (Total Units 1.0 - 1.0)
KIN126A Basic Spin (Total Units 1.0 - 1.0)
KIN126B Intermediate Spin (Total Units 1.0 - 1.0)
KIN127A Basic Yoga (Total Units 1.0 - 1.0)
KIN127B Intermediate Yoga (Total Units 1.0 - 1.0)
KIN127C Advanced Yoga (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (Total Units 1.0 - 1.0)
KIN146B Intermediate Strength Training (Total Units 1.0 - 1.0)
KIN146C Advanced Strength Training (Total Units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (Total Units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (Total Units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (Total Units 1.0 - 1.0)
KIN203 Speed and Agility-Men (Total Units 1.0 - 1.0)
KIN204 Speed and Agility-Women (Total Units 1.0 - 1.0)

***TEAM SPORTS (Total Units 0.0 - 0.0)***

The following number of Units

KIN160A Basic Basketball (Total Units 1.0 - 1.0)
KIN160B Intermediate Basketball (Total Units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (Total Units 1.0 - 1.0)
KIN168A Basic Volleyball (Total Units 1.0 - 1.0)
KIN168B Intermediate Volleyball (Total Units 1.0 - 1.0)

***ELECTIVES - Select a minimum of three (3) units from the following: (Total Units 3.0 - 7.0)***

The following number of Units

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
BIOL139 Health Microbiology (Total Units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (Total Units 4.0 - 4.0)
BIOL229 General Microbiology (Total Units 5.0 - 5.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL259 Environmental Biology (Total Units 4.0 - 4.0)
KIN101 First Aid and CPR (Total Units 3.0 - 3.0)
KIN102 Nutrition and Fitness (Total Units 2.0 - 2.0)
KIN104 Healthful Living (Total Units 3.0 - 3.0)
KIN110 Women's Health Issues (Total Units 3.0 - 3.0)
KIN111 Sports Psychology (Total Units 3.0 - 3.0)
NUTR115 Nutrition (Total Units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

**Control Number:** 39921

# MANAGEMENT

## Kinesiology, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 20.0 - 24.0

The Associate in Arts in Kinesiology for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree in Kinesiology. Completion of the degree also provides guaranteed admission with junior status to the CSU system in the Kinesiology major. Consult with a counselor regarding specific course requirements for your transfer institution. Upon completion of the Associate in Arts in Kinesiology for Transfer, students will have a general understanding of the human anatomy, human physiology, and mechanics of human movement, and be able to apply fitness-based concepts.

**Program Rules:** Kinesiology, AA-T (Total Units 20.0 - 24.0)

All of the following

***Major requirements: (Total Units 11.0 - 11.0)***

The following number of Units

KIN100 Introduction to Kinesiology (Total Units 3.0 - 3.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)

**Select three (3) units from the following. Must select one (1) unit course**

**from three different areas- Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total Units 3.0 - 3.0)**

***AQUATICS (Total Units 0.0 - 0.0)***

The following number of Units

KIN185A Basic Swimming (Total Units 1.0 - 1.0)
KIN185B Intermediate Swimming (Total Units 1.0 - 1.0)
KIN185C Advanced Swimming (Total Units 1.0 - 1.0)

***COMBATIVES (Total Units 0.0 - 0.0)***

The following number of Units

KIN125A Basic Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)

***DANCE (Total Units 0.0 - 0.0)***

The following number of Units

DNCE106A Introduction to Modern Dance I (Total Units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (Total Units 1.0 - 1.0)
DNCE108A Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE108B Introduction to Ballet (Total Units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (Total Units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (Total Units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (Total Units 1.0 - 1.0)

***FITNESS (Total Units 0.0 - 0.0)***

The following number of Units

KIN119 Personal Fitness Evaluation (Total Units 1.0 - 1.0)
KIN126A Basic Spin (Total Units 1.0 - 1.0)
KIN126B Intermediate Spin (Total Units 1.0 - 1.0)
KIN127A Basic Yoga (Total Units 1.0 - 1.0)
KIN127B Intermediate Yoga (Total Units 1.0 - 1.0)
KIN127C Advanced Yoga (Total Units 1.0 - 1.0)
KIN128A Basic Tai Chi (Total Units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (Total Units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (Total Units 1.0 - 1.0)
KIN146B Intermediate Strength Training (Total Units 1.0 - 1.0)
KIN146C Advanced Strength Training (Total Units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (Total Units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (Total Units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (Total Units 1.0 - 1.0)
KIN203 Speed and Agility-Men (Total Units 1.0 - 1.0)
KIN204 Speed and Agility-Women (Total Units 1.0 - 1.0)

***TEAM SPORTS (Total Units 0.0 - 0.0)***

The following number of Units

KIN160A Basic Basketball (Total Units 1.0 - 1.0)
KIN160B Intermediate Basketball (Total Units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (Total Units 1.0 - 1.0)
KIN168A Basic Volleyball (Total Units 1.0 - 1.0)
KIN168B Intermediate Volleyball (Total Units 1.0 - 1.0)

**Select two (2) courses from the following (List A): (Total Units 6.0 - 10.0)**

The following number of Units

**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
**Students may select CHEM200A or CHEM200AH. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
**Students may select STATC1000, or STATC1000E, or STATC1000H. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
**Students may select PHYS150A or PHYS250A. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
**Students may select PSYCC1000 or PSYCC1000H. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
**Students may select SOC100 or SOC100H. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**

CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
KIN101 First Aid and CPR (Total Units 3.0 - 3.0)
KIN104 Healthful Living (Total Units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
PHYS150A Introductory Physics I (Total Units 4.0 - 4.0)
PHYS250A Physics for Scientists and Engineers I (Total Units 5.0 - 5.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Control Number:** 32434

# Human Resource Management, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 12.0 - 12.0

The Certificate of Proficiency in Human Resource Management is designed to prepare students for various management positions in business, government, and public organizations; to aid existing managers in upgrading their skills; and to assist employees for promotion to management/supervision positions.

**Program Rules:** Human Resource Management, CERT (Total Units 12.0 - 12.0)

The following number of Units

***Rule Group (Total Units 3.0 - 6.0)***

At least one of the following

MGMT120 Principles of Management (Total Units 3.0 - 3.0)
BUS120 Principles of Management (Total Units 3.0 - 3.0)

***Rule Group (Total Units 3.0 - 6.0)***

At least one of the following

MGMT121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
BUS121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)

***Rule Group (Total Units 6.0 - 6.0)***

All of the following

MGMT135 Human Resource Management (Total Units 3.0 - 3.0)
BUS105 Legal Environment of Business (Total Units 3.0 - 3.0)

**Control Number:** None

# Management, AS

***A.S. Degree Major***

**Unit Range for Completion:** 19.0 - 20.0

The Associate of Science degree in Management is designed to prepare students for various management positions in business, government, and public organizations; to aid existing managers in upgrading their skills; and to assist employees for promotion to management/supervision positions.

**Program Rules:** Management, AS (Total Units 19.0 - 20.0)

All of the following

***Major requirements: (Total Units 13.0 - 13.0)***

The following number of Units

ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
BUS100 Fundamentals of Business (Total Units 3.0 - 3.0)

**Select BUS120 or MGMT120. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**

BUS120 Principles of Management (Total Units 3.0 - 3.0)
MGMT120 Principles of Management (Total Units 3.0 - 3.0)

**Select BUS222 or MGMT122. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**

BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
**Select two (2) courses from the following: (Total Units 6.0 - 7.0)**
The following number of Units
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT102 Managerial Accounting (Total Units 4.0 - 4.0)
BUS105 Legal Environment of Business (Total Units 3.0 - 3.0)
BUS121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
BUS150 Introduction to Information Systems and Applications (Total Units 3.0 - 3.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
MGMT121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
BUS121 or MGMT121 are considered the same course. Credit will be awarded for only one. (Total Units 0.0 - 0.0)
**Control Number:** 11861

## Supervision, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 12.0
The Certificate of Proficiency in Supervision is designed to prepare students for various management positions in business, government, and public organizations; to aid existing managers in upgrading their skills; and to assist employees for promotion to management/supervision positions.
**Program Rules:** Supervision, CERT (Total Units 12.0 - 12.0)
The following number of Units
***Rule Group (Total Units 3.0 - 6.0)***
At least one of the following
MGMT121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
BUS121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
MGMT135 Human Resource Management (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 6.0)***
At least one of the following
MGMT122 Business Communications (Total Units 3.0 - 3.0)
BUS222 Business Writing (Total Units 3.0 - 3.0)
***Rule Group (Total Units 3.0 - 9.0)***
At least one of the following
MGMT120 Principles of Management (Total Units 3.0 - 3.0)
BUS120 Principles of Management (Total Units 3.0 - 3.0)
MGMT123 Supervision (Total Units 3.0 - 3.0)
**Control Number:** None

# MARKETING

## Advertising, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 12.0
The Certificate of Proficiency in Advertising is designed to prepare students for various marketing, sales, and retail store management positions; to assist existing marketing managers and sales professionals in upgrading their skills; and to open up new career opportunities within the marketing field. Program content includes selection and buying of merchandise, advertising, sales, product distribution, customer relations, and pricing. The student will then specialize in one of the option areas: general marketing, professional selling, advertising, or retailing management. The certificate program provides practical skills for the student within specific areas of marketing.
**Program Rules:** Advertising, CERT (Total Units 12.0 - 12.0)
The following number of Units
MKTG112 Principles of Advertising (Total Units 3.0 - 3.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
MKTG115 Consumer Behavior (Total Units 3.0 - 3.0)
MKTG135 Web Marketing and Promotion (Total Units 3.0 - 3.0)
Rule Group (Total Units 0.0 - 0.0)
All of the following
**Control Number:** None

## Marketing, AS

***A.S. Degree Major***
**Unit Range for Completion:** 18.0 - 19.0
The Associate of Science degree in General Marketing is designed to prepare students for various marketing, sales, and retail store management positions; to assist existing marketing managers and sales professionals in upgrading their skills; and to open up new career opportunities within the marketing field. Program content includes selection and buying of merchandise, advertising, sales, product distribution, customer relations, and pricing.
**Program Rules:** General Marketing, AS (Total Units 18.0 - 19.0)
All of the following
***Major requirements: (Total Units 15.0 - 16.0)***
The following number of Units
**Select ACCT100 or ACCT101. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
**Select BUS222 or MGMT122. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
MKTG112 Principles of Advertising (Total Units 3.0 - 3.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
MKTG115 Consumer Behavior (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 3.0 - 3.0)**
The following number of Units
BUS100 Fundamentals of Business (Total Units 3.0 - 3.0)
BUS127 Introduction to E-Commerce (Total Units 3.0 - 3.0)
MKTG114 Professional Selling (Total Units 3.0 - 3.0)
MKTG135 Web Marketing and Promotion (Total Units 3.0 - 3.0)
**Control Number:** 11866

## Marketing, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 12.0
The Certificate of Proficiency in Marketing is designed to prepare students for various marketing, sales, and retail store management positions; to assist existing marketing managers and sales professionals in upgrading their skills; and to open up new career opportunities within the marketing field. Program content includes selection and buying of merchandise, advertising, sales, product distribution, customer relations, and pricing. The student will then specialize in one of the option areas: general marketing, professional selling, advertising, or retailing management. The certificate program provides practical skills for the student within specific areas of marketing.
**Program Rules:** Marketing, CERT (Total Units 12.0 - 12.0)
All of the following
***Certificate Requirements: (Total Units 12.0 - 12.0)***
All of the following
MKTG112 Principles of Advertising (Total Units 3.0 - 3.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
MKTG114 Professional Selling (Total Units 3.0 - 3.0)
MKTG115 Consumer Behavior (Total Units 3.0 - 3.0)
**Control Number:** None

## Social Media, AS

***A.S. Degree Major***

**Unit Range for Completion:** 25.0 - 25.5

The Associate of Science in Social Media degree provides students with a comprehensive business education in social media. Completing the requirements enables students to pursue a baccalaureate degree and prepare for a career in social media.

**Program Rules:** Social Media, AS (Total Units 25.0 - 25.5)

All of the following

***Major Requirements: (Total Units 15.0 - 15.0)***

All of the following

MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
MKTG150 Introduction to Social Media (Total Units 3.0 - 3.0)
MKTG151 Social Media Marketing (Total Units 3.0 - 3.0)
ART149 Introduction to Digital Photography (Total Units 3.0 - 3.0)
COMM190 Communication and New Media (Total Units 3.0 - 3.0)

***Business Writing - Select one (1) of the following: (Total Units 3.0 - 3.0)***

The following number of Units

BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)

***Statistics - Select one (1) of the following: (Total Units 4.0 - 4.5)***

The following number of Units

STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

***Cultural Communication and Understanding - Select one (1) of the following: (Total Units 3.0 - 3.0)***

The following number of Units

ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
PSYC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)

**Control Number:** 44797

## Web Marketing, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 9.0 - 9.0

The Certificate of Proficiency in Web Marketing is designed to prepare students for various marketing, sales, and retail store management positions; to assist existing marketing managers and sales professionals in upgrading their skills; and to open up new career opportunities within the marketing field. Program content includes selection and buying of merchandise, advertising, sales, product distribution, customer relations, and pricing. The student will then specialize in one of the option areas: general marketing, professional selling, advertising, or retailing management. The certificate program provides practical skills for the student within specific areas of marketing.

**Program Rules:** Web Marketing, CERT (Total Units 9.0 - 9.0)

The following number of Units

BUSI27 Introduction to E-Commerce (Total Units 3.0 - 3.0)
MKTG113 Principles of Marketing (Total Units 3.0 - 3.0)
MKTG135 Web Marketing and Promotion (Total Units 3.0 - 3.0)

**Control Number:** None

# MATHEMATICS

## Data Science, AS

***A.S. Degree Major***

**Unit Range for Completion:** 16.0 - 19.5

The Associate of Science degree in Data Science will provide students with a solid foundation in the fields of data science, industry intelligence, and analytics. The program is designed to prepare students for entry-level jobs, or to help them advance into careers, such as Associate Data Scientist, Junior Data Scientist, Modeling and Simulation Specialist, Modeling and Simulation Analyst, Big Data Analyst, and Senior Data Analyst.

**Program Rules:** Data Science, AS (Total Units 16.0 - 19.5)

All of the following

***Major Requirements: (Total Units 13.0 - 15.0)***

The following number of Units

**Please select CIS111 or CMPR120 . Credit will be awarded for only one selection. (Total Units 0.0 - 0.0)**

CIS111 Python Programming (Total Units 3.0 - 3.0)
CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)
CMPR131 Data Structures Concepts (Total Units 3.0 - 3.0)
DATA100 Introduction to Data Science (Total Units 4.0 - 4.0)

**Please select MATH287 or MATH290. Credit will be awarded for only one selection. (Total Units 0.0 - 0.0)**

MATH287 Introduction to Linear Algebra and Differential Equations (Total Units 5.0 - 5.0)
MATH290 Linear Algebra (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 3.0 - 4.5)**

The following number of Units

CMPR121 Programming Concepts (Total Units 3.0 - 3.0)
CMPR149 Discrete Structures for Computer Science (Total Units 3.0 - 3.0)
MATH270 Discrete Mathematics (Total Units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (Total Units 4.0 - 4.0)
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
SOC125 Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
SOC125H Honors Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Control Number:** 43692

## Data Science, CA

***Certificate of Achievement***

**Unit Range for Completion:** 16.0 - 19.5

The Certificate of Achievement in Data Science will provide students with a solid foundation in the fields of data science, industry intelligence, and analytics. The program is designed to prepare students for entry-level jobs, or to help them advance in careers, such as Associate Data Scientist, Junior Data Scientist, Modeling and Simulation Specialist, Modeling and Simulation Analyst, Big Data Analyst, and Senior Data Analyst.

**Program Rules:** Data Science, CA (Total Units 16.0 - 19.5)

All of the following

***Major Requirements (Total Units 13.0 - 15.0)***

The following number of Units

**Please select CIS111 or CMPR120. Credit will be awarded for only one selection. (Total Units 0.0 - 0.0)**

CIS111 Python Programming (Total Units 3.0 - 3.0)
CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)
CMPR131 Data Structures Concepts (Total Units 3.0 - 3.0)
DATA100 Introduction to Data Science (Total Units 4.0 - 4.0)

**Please select MATH287 or MATH290. Credit will be awarded for**

**only one selection. (Total Units 0.0 - 0.0)**
MATH287 Introduction to Linear Algebra and Differential Equations (Total Units 5.0 - 5.0)
MATH290 Linear Algebra (Total Units 3.0 - 3.0)
**Select one (1) course from the following list: (Total Units 3.0 - 4.5)**
The following number of Units
CMPR121 Programming Concepts (Total Units 3.0 - 3.0)
CMPR149 Discrete Structures for Computer Science (Total Units 3.0 - 3.0)
MATH270 Discrete Mathematics (Total Units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (Total Units 4.0 - 4.0)
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
SOC125 Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
SOC125H Honors Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
**Control Number:** 44319

## Mathematics, AS-T

***A.S. Degree for Transfer***
**Unit Range for Completion:** 18.0 - 22.0
The Associate in Science in Mathematics for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree. Employment opportunities are available as mathematicians in government, health, industry and education. Successful completion of the transfer degree in Mathematics guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Mathematics or a related field.
**Program Rules:** Mathematics, AS-T (Total Units 18.0 - 22.0)
All of the following
***Major requirements: (Total Units 12.0 - 12.0)***
The following number of Units
**Select MATH180 or MATH180H. Credit not given for both. (Total Units 0.0 - 0.0)**
MATH180H Honors Single Variable Calculus I - This course is now MATHC2210H (Total Units 4.0 - 4.0)
MATH180 Single Variable Calculus I - This course is now MATHC2210 (Total Units 4.0 - 4.0)
MATH185 Single Variable Calculus II - This course is now MATHC2220 (Total Units 4.0 - 4.0)
MATH280 Intermediate Calculus (Total Units 4.0 - 4.0)
**Select one (1) course from the following (List A): (Total Units 3.0 - 5.0)**
The following number of Units
MATH287 Introduction to Linear Algebra and Differential Equations (Total Units 5.0 - 5.0)
MATH290 Linear Algebra (Total Units 3.0 - 3.0)
MATH295 Differential Equations (Total Units 3.0 - 3.0)
**Select one (1) course from the following (List B): (Total Units 3.0 - 5.0)**
The following number of Units
CMPR112 Java Programming (Total Units 3.0 - 3.0)
CMPR120 Introduction to Programming (Total Units 3.0 - 3.0)
CMPR213 C# Programming (Total Units 3.0 - 3.0)
PHYS250A Physics for Scientists and Engineers I (Total Units 5.0 - 5.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
**Control Number:** 31040

# MODERN LANGUAGES

## Modern Languages, AA

***A.A. Degree Major***
**Unit Range for Completion:** 21.0 - 23.0
The Associate of Arts degree in Modern Languages is designed to meet the needs of both the student who wishes to transfer to a four-year institution and the student who wishes to achieve basic conversational ability in the language. Completion of the associate in arts degree prepares students to transfer to a four-year institution leading to a baccalaureate degree and to possible careers requiring profiency in multiple languages. The associate degree in modern languages requires the following: Completion of a minimum of 21 units total. Completion of a minimum of 13 units in any one language including courses numbered 201 and 202. Completion of 5 units in a second language. Completion of a minimum of 3 units of restricted electives.
**Program Rules:** Modern Languages, AA (Total Units 21.0 - 23.0)
All of the following
**Completion of a minimum of thirteen (13) units in any ONE language including the courses numbered 201 and 202. (Total Units 0.0 - 0.0)**
**Completion of five (5) units in a SECOND language (Total Units 0.0 - 0.0)**
**Completion of a minimum of three (3) units of restricted electives**
(Total Units 0.0 - 0.0)
***Major Requirements: (Total Units 18.0 - 18.0)***
The following number of Units
FREN101 Elementary French I (Total Units 5.0 - 5.0)
FREN102 Elementary French II (Total Units 5.0 - 5.0)
FREN194 Conversation and Composition I (Total Units 3.0 - 3.0)
FREN201 Intermediate French I (Total Units 5.0 - 5.0)
FREN202 Intermediate French II (Total Units 5.0 - 5.0)
ITAL101 Elementary Italian I (Total Units 5.0 - 5.0)
ITAL102 Elementary Italian II (Total Units 5.0 - 5.0)
ITAL194 Conversation and Composition (Total Units 3.0 - 3.0)
ITAL195 Advanced Conversational Italian (Total Units 3.0 - 3.0)
ITAL201 Intermediate Italian I (Total Units 5.0 - 5.0)
ITAL202 Intermediate Italian II (Total Units 5.0 - 5.0)
SPAN101 Elementary Spanish I (Total Units 5.0 - 5.0)
SPAN101H Honors Elementary Spanish I (Total Units 5.0 - 5.0)
SPAN101A Elementary Spanish IA (Total Units 2.5 - 2.5)
SPAN101B Elementary Spanish IB (Total Units 2.5 - 2.5)
SPAN102 Elementary Spanish II (Total Units 5.0 - 5.0)
SPAN110 Spanish for Spanish Speakers 1 (Total Units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (Total Units 5.0 - 5.0)
SPAN194 Beginning Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195A Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN201 Intermediate Spanish I (Total Units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (Total Units 5.0 - 5.0)
SPAN213 College Spanish Composition (Total Units 3.0 - 3.0)
**SPAN 201 and SPAN 110 are equivalent. SPAN 202 and SPAN 111 are equivalent Please select only one of each course to receive credit. (Total Units 0.0 - 0.0)**
***Restricted Electives (Total Units 3.0 - 5.0)***
The following number of Units
Any course listed above in a THIRD language (Total Units 0.0 - 0.0)
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ART101 Survey of Western Art History I: Prehistory Through the Middle Ages - This course is now ARTHC1100 (Total Units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century - This course is now ARTHC1200 (Total Units 3.0 - 3.0)

CHNS101 Elementary Chinese I (Total Units 5.0 - 5.0)
CHNS102 Elementary Chinese II (Total Units 5.0 - 5.0)
COMM100 Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)
COMM100H Honors Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)
ENGL102 Literature and Composition - This course is now ENGLC1003 (Total Units 4.0 - 4.0)
ENGL102H Honors Literature and Composition - This course is now ENGLC1003H (Total Units 4.0 - 4.0)
ENGL271 Survey of World Literature I (Total Units 3.0 - 3.0)
ENGL272 Survey of World Literature II (Total Units 3.0 - 3.0)
GEOG100 World Regional Geography (Total Units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)
HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
POLT220 International Politics (Total Units 3.0 - 3.0)
POLSC1000 American Government and Politics (Total Units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (Total Units 3.0 - 3.0)

**Control Number:** 11925

# MUSIC

## Music, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 23.0 - 24.0

The Associate in Arts in Music for Transfer (AA-T) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in music, and then into careers in public and private teaching, professional performance, composition and arranging, liturgical music, military music, and musicology. Admission to the major is by audition only. All students are required to enroll in music theory, musicianship, applied music (private lessons), and an ensemble each semester. Ensemble placement is determined by audition. Instrumental, choral, and guitar students must also enroll in class piano until they demonstrate successful completion of the required piano courses. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree guarantees admission with junior status to the CSU system; however, it does not ensure admission to a specific campus or major. See Associate Degrees for Transfer for a list of additional requirements for all Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AA-S) degrees. Upon completion of the AA-T in Music, students will be able to demonstrate an understanding of music theory, harmony, and musicianship at the final level of a traditional lower-division music sequence. Through public performance, students will demonstrate proficiency on their primary instrument (or voice), enabling them to perform accurately and musically in both large ensembles and solo settings. When applying to music programs at four-year institutions, students must pass an audition for acceptance and skills tests for placement into music theory, musicianship, and piano classes.

**Program Rules:** Music, AA-T (Total Units 23.0 - 24.0)
All of the following

***Major Requirement (Total Units 20.0 - 20.0)***
The following number of Units
Required Core (Total Units 0.0 - 0.0)
MUS111 Music Theory and Musicianship I (Total Units 4.0 - 4.0)
MUS112 Music Theory and Musicianship II (Total Units 4.0 - 4.0)
MUS114A Musicianship III (Total Units 1.0 - 1.0)
MUS213 Music Theory III (Total Units 3.0 - 3.0)
MUS160A Applied Music (Private Instruction) (Total Units 1.0 - 1.0)
MUS160B Applied Music (Private Instruction) (Total Units 1.0 - 1.0)
MUS160C Applied Music (Private Instruction) (Total Units 1.0 - 1.0)
MUS160D Applied Music (Private Instruction) (Total Units 1.0 - 1.0)
**Major Ensemble and/or Specialized Ensemble (4 semesters, minimum 1 unit each) (Total Units 0.0 - 0.0)**
**Students are required to contact the Department Chair for Ensemble placement for any of the courses listed below (Total Units 0.0 - 0.0)**
MUS126 Collegiate Choir (Total Units 1.0 - 1.0)
MUS127 Concert Chorale (Total Units 1.0 - 1.0)
MUS128 Masterworks Chorale (Total Units 1.0 - 1.0)
MUS129 Chamber Choir (Total Units 1.0 - 1.0)
MUS171 Concert Band (Total Units 1.0 - 1.0)
MUS176 Jazz Band (Total Units 1.0 - 1.0)
MUS181 Chamber Orchestra (Total Units 1.0 - 1.0)
MUS182 Musical Ensemble (Total Units 1.0 - 1.0)
MUS185 Beginning Classical Guitar (Total Units 1.0 - 1.0)
MUS186 Intermediate Classical Guitar (Total Units 1.0 - 1.0)
MUS187 Advanced Classical Guitar (Total Units 1.0 - 1.0)
MUS188 Advanced Classical Guitar Technique and Repertoire (Total Units 1.0 - 1.0)

***List A (Total Units 3.0 - 4.0)***
The following number of Units
Choral, Instrumental, and Guitar students take Class Piano I, II, and III (Total Units 0.0 - 0.0)
MUS161 Class Piano I (Total Units 1.0 - 1.0)
MUS162 Class Piano II (Total Units 1.0 - 1.0)
MUS163 Class Piano III (Total Units 1.0 - 1.0)
**Choral, Keyboard, Instrumental, and Guitar students take Music Theory IV and Musicianship IV in the fourth term (Total Units 0.0 - 0.0)**
MUS114B Musicianship IV (Total Units 1.0 - 1.0)
MUS214 Music Theory IV (Total Units 3.0 - 3.0)

**Control Number:** 299

# NUTRITION AND FOOD

## Nutrition and Dietetics, AS-T

***A.S. Degree for Transfer***

**Unit Range for Completion:** 27.0 - 30.0

The Associate in Science in Nutrition and Dietetics for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree in Nutrition and Dietetics or similar major. Completion of the degree also provides guaranteed admission with junior status to the CSU system in Nutrition and Dietetics or similar major. Please consult a counselor regarding specific course requirements for your transfer institution.

**Program Rules:** Nutrition and Dietetics, AS-T (Total Units 27.0 - 30.0)
All of the following

**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
***Major requirements: (Total Units 16.0 - 16.0)***
The following number of Units
BIOL229 General Microbiology (Total Units 5.0 - 5.0)

**Select CHEM200A or CHEM 200AH. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
CHEM200A General Chemistry A (Total Units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (Total Units 5.0 - 5.0)
NUTR115 Nutrition (Total Units 3.0 - 3.0)
**Select PSYCC1000 or PSYCC1000H. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
**Select two (2) courses from the following (List A): (Total Units 8.0 - 10.0)**
The following number of Units
BIOL239 General Human Anatomy (Total Units 4.0 - 4.0)
BIOL249 Human Physiology (Total Units 4.0 - 4.0)
CHEM200B General Chemistry B (Total Units 5.0 - 5.0)
CHEM280A Organic Chemistry A (Total Units 5.0 - 5.0)
**STATC1000 or STATC1000E or STATC1000H are considered the same course and credit will be awarded for only one. (Total Units 0.0 - 0.0)**
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
**Select one (1) course from the following (List B): (Total Units 3.0 - 4.0)**
The following number of Units
**An additional course from List A (4-5 units) not used to fulfill List A requirement. (Total Units 0.0 - 0.0)**
NUTR120 Food and Culture (Total Units 3.0 - 3.0)

**Control Number:** 35735

# PHILOSOPHY

## Philosophy, AA-T

***A.A. Degree for Transfer***
**Unit Range for Completion:** 19.0 - 20.0
The Associate in Arts in Philosophy for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree. Successful completion of the transfer degree in Philosophy guarantees the student acceptance to a California State University to pursue a baccalaureate degree. The transfer degree prepares students who plan to teach philosophy, or who plan to study theology or law, and establishes a foundation for graduate studies in the areas of liberal arts, critical theory, international relations, cognitive science and specialized historical studies.
**Program Rules:** Philosophy, AA-T (Total Units 19.0 - 20.0)
The following number of Units
***Major requirements: (Total Units 7.0 - 7.0)***
The following number of Units
**Select PHIL106 or 106H or PHIL 108. Credit will be awarded for only one. (Total Units 0.0 - 0.0)**
PHIL106 Introduction to Philosophy (Total Units 3.0 - 3.0)
PHIL106H Honors Introduction to Philosophy (Total Units 3.0 - 3.0)
PHIL108 Ethics (Total Units 3.0 - 3.0)
PHIL111 Introductory Logic (Total Units 4.0 - 4.0)
**Select one (1) course from the following (List A): (Total Units 3.0 - 4.0)**
The following number of Units
PHIL110 Critical Thinking (Total Units 3.0 - 3.0)
PHIL110H Honors Critical Thinking (Total Units 4.0 - 4.0)
PHIL112 World Religions (Total Units 4.0 - 4.0)
PHIL118 History of Philosophy (Total Units 3.0 - 3.0)
**Select two (2) courses from the following (List B): (Total Units 6.0 - 7.0)**
The following number of Units
PHIL115 Philosophy of Religion (Total Units 3.0 - 3.0)
**An additional course from List A (3-4 units). May not be a course used to satisfy the requirements in List A. (Total Units 0.0 - 0.0)**
**Select one (1) course from the following (List C): (Total Units 3.0 - 4.0)**
The following number of Units
PHIL120 Introduction to Social and Political Philosophy (Total Units 3.0 - 3.0)
**An additional course from List A or B (3-4 units). May not be a course used to satisfy the requirements in List A or B. (Total Units 0.0 - 0.0)**

**Control Number:** 32042

# PHYSICS

## Physics, AS-T

***A.S. Degree for Transfer***
**Unit Range for Completion:** 27.0 - 27.0
The Associate in Science in Physics for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in physics or physics education. Successful completion of the transfer degree in Physics guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Physics or a related field.
**Program Rules:** Physics, AS-T (Total Units 27.0 - 27.0)
The following number of Units
***Rule Group (Total Units 4.0 - 8.0)***
At least one of the following
MATH180 Single Variable Calculus I (Total Units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I (Total Units 4.0 - 4.0)
***Rule Group (Total Units 23.0 - 23.0)***
All of the following
MATH185 Single Variable Calculus II (Total Units 4.0 - 4.0)
MATH280 Intermediate Calculus (Total Units 4.0 - 4.0)
PHYS250A Physics for Scientists and Engineers I (Total Units 5.0 - 5.0)
PHYS250B Physics for Scientists and Engineers II (Total Units 5.0 - 5.0)
PHYS250C Physics for Scientists and Engineers III (Total Units 5.0 - 5.0)

**Control Number:** 31039

# POLITICAL SCIENCE

## Political Science, AA-T

***A.A. Degree for Transfer***
**Unit Range for Completion:** 18.0 - 18.0
The Associate in Arts in Political Science for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree. Successful completion of the transfer degree in Political Science guarantees the student acceptance to a local California State University to pursue a baccalaureate degree and prepares students for law school, teaching, public relations, journalism, government service on the local, state and national levels, and private employment where government institutions are involved.
**Program Rules:** Political Science, AA-T (Total Units 18.0 - 18.0)
All of the following
***Major requirements: (Total Units 3.0 - 3.0)***
The following number of Units
POLSC1000 American Government and Politics (Total Units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (Total Units 3.0 - 3.0)
**Students are required to take the following (List A): (Total Units 9.0 - 9.0)**
All of the following
POLT201 Introduction to Comparative Politics (Total Units 3.0 - 3.0)
POLT220 International Politics (Total Units 3.0 - 3.0)
POLT230 Political Theory (Total Units 3.0 - 3.0)
**Select two (2) courses from the following (List B): (Total Units 6.0 - 6.0)**
The following number of Units

ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ECON101 Principles/Micro - This course is now ECONC2001 (Total Units 3.0 - 3.0)
ECON102 Principles/Macro (Total Units 3.0 - 3.0)
HIST101 World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)

**Control Number:** 31730

# PSYCHOLOGY

## Companion Animal Training, AA

***A.A. Degree Major***

**Unit Range for Completion:** 22.0 - 22.0

The Associate of Arts Degree in Companion Animal Training is designed for students who wish to obtain the foundational knowledge and skills required to work with companion animals (e.g., dogs, cats, birds, horses). Upon completion of this program, students will be eligible to obtain employment as animal trainers, day care or shelter workers, groomers, kennel attendants, pet adoption counselors, or behavior consultants.

**Program Rules:** Companion Animal Training, AA (Total Units 22.0 - 22.0)
All of the following

***Major Requirements: (Total Units 19.0 - 19.0)***
The following number of Units

**Select PSYCC1000 or PSYCC1000H. Credit will only be awarded for one course. (Total Units 0.0 - 0.0)**

PSYC110 Introduction to Companion Animal Psychology (Total Units 3.0 - 3.0)
PSYC114 Introduction to Animal Learning and Behavior (Total Units 3.0 - 3.0)
PSYC118 Behavior Modification (Total Units 3.0 - 3.0)
PSYC122 Dog Training (Total Units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (Total Units 4.0 - 4.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 3.0 - 3.0)**
The following number of Units

BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
BUS170 Principles of Small Business Management (Total Units 3.0 - 3.0)
COMM100 Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)
COMM100H Honors Introduction to Interpersonal Communication (Total Units 3.0 - 3.0)
COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)
PSYC200 Introduction to Biological Psychology (Total Units 3.0 - 3.0)

**Control Number:** 43691

## Psychology, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 20.0 - 21.0

The Associate in Arts in Psychology for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree for specialization in any of more than twenty branches of psychology including: child, clinical, personality, vocational, marriage and family counseling, industrial, mental health, and college teaching. Completion of the two-year program is appropriate for students whose vocational plans include helping people, i.e., teaching, social welfare, probation, criminology, nursing, law, and personnel work. Successful completion of the transfer degree in Psychology guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Psychology or a related field.

**Program Rules:** Psychology, AA-T (Total Units 20.0 - 21.0)
All of the following

***Major Core Requirements: (Total Units 11.0 - 11.0)***
All of the following

PSYC220 Introduction to Research Methods in Psychology (Total Units 4.0 - 4.0)

***Mathematics Requirement (Total Units 4.0 - 4.0)***
The following number of Units

STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

***General Psychology Requirement (Total Units 3.0 - 3.0)***
The following number of Units

PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

***List A: (Total Units 3.0 - 3.0)***
The following number of Units

BIOL109 Fundamentals of Biology (Total Units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (Total Units 3.0 - 3.0)
PSYC200 Introduction to Biological Psychology (Total Units 3.0 - 3.0)

***List B: (Total Units 3.0 - 3.0)***
The following number of Units

**Any course from LIST A not already used. May not be a course used to satisfy the requirements in List A. (Total Units 0.0 - 0.0)**

CDEV107 Child Growth and Development (DSI) (Total Units 3.0 - 3.0)
PSYC157 Introduction to Child Psychology (Total Units 3.0 - 3.0)
PSYC160 Introduction to Lifespan Psychology (Total Units 3.0 - 3.0)
PSYC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
Student may only earn credit for CDEV 107 or PSYC 157. (Total Units 0.0 - 0.0)

**Student may only earn credit for PSYC 240 or SOC 240. (Total Units 0.0 - 0.0)**

***List C: (Total Units 3.0 - 4.0)***
The following number of Units

**Any course from LIST A or B not already used. May not be a course used to satisfy the requirements in List A or B. (Total Units 0.0 - 0.0)**

ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH101 Introduction to Physical Anthropology (Total Units 3.0 - 3.0)
PHIL110 Critical Thinking (Total Units 3.0 - 3.0)
PHIL111 Introductory Logic (Total Units 4.0 - 4.0)
PSYC110 Introduction to Companion Animal Psychology (Total Units 3.0 - 3.0)
PSYC114 Introduction to Animal Learning and Behavior (Total Units 3.0 - 3.0)
PSYC118 Behavior Modification (Total Units 3.0 - 3.0)

PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)
PSYC230 Psychology of Adjustment (Total Units 3.0 - 3.0)
PSYC250 Introduction to Psychopathology (Total Units 3.0 - 3.0)
PSYC190 Psychology of Human Sexuality (Total Units 3.0 - 3.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
**Control Number:** 31041

# HEALTH

## Environmental Health, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 9.0 - 9.0
This Certificate of Proficiency in Environmental Health is designed for students who have completed all three courses in Environmental Health: PHLT 100, PHLT 101 and PHLT 102. This certificate will enable students to demonstrate commitment and background knowledge to gain work as an Environmental Health Technician in county or city municipalities. For students looking to advance in the field of environmental health, this certificate program prepares students to complete a bachelor's degree needed for employment as Environmental Health Specialists or inspectors and Environmental Resource Specialists in city, county and state municipalities.
**Program Rules:** Environmental Health, CERT (Total Units 9.0 - 9.0)
All of the following
***Certificate Requirements: (Total Units 9.0 - 9.0)***
All of the following
PHLT100 Introduction to Principles of Environmental Health (Total Units 3.0 - 3.0)
PHLT101 Environmental Health: Legislation, Inspection and Enforcement (Total Units 3.0 - 3.0)
PHLT102 Environmental Health Technician (Total Units 3.0 - 3.0)
**Control Number:** None

# PUBLIC WORKS

## Code Enforcement and Compliance, AS

***A.S. Degree Major***
**Unit Range for Completion:** 18.0 - 18.0
This program is designed to provide academic and professional training for code enforcement personnel and/or individuals seeking employment in Public Sector Agencies such Public works, Planning & Building, Community Development, and any municipal agency that provide code compliance dealing directly with the public. It provides students with the course work necessary for employment. It is designed for individuals seeking a career as a Code Enforcement Officer as well as sworn or non-sworn inspectors, officers, or investigators employed by a city, state, or county agency seeking specialized training in prevention, detection, investigation, and enforcement of violations of statutes or ordinances regulating public health, safety, and welfare, public works, business activities, and consumer protection, building standards, land use, or municipal affairs.
**Program Rules:** Code Enforcement and Compliance, AS
(Total Units 18.0 - 18.0)
All of the following
***Major requirements: (Total Units 9.0 - 9.0)***
The following number of Units
CJ101 Introduction to Criminal Justice (Total Units 3.0 - 3.0)
PBLC085 Code Enforcement Officer (Total Units 3.0 - 3.0)
PBLC150 Introduction to Public Administration (Total Units 3.0 - 3.0)
**Select nine (9) units from the following: (Total Units 9.0 - 9.0)**
The following number of Units
PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)
PBLC151 Ethics and Professionalism: The High Calling of Public Service (Total Units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
PBLC153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
PBLC155 The Art of Politics and Policymaking (Total Units 3.0 - 3.0)
**Control Number:** 37073

## Code Enforcement and Compliance, CA

***Certificate of Achievement***
**Unit Range for Completion:** 18.0 - 18.0
The Certificate of Achievement in Code Enforcement and Compliance provides students with the course work necessary for employment. It is designed for individuals seeking a career as a Code Enforcement Officer as well as sworn or non-sworn inspectors, officers, or investigators employed by a city, state, or county agency seeking specialized training in prevention, detection, investigation, and enforcement of violations of statutes or ordinances regulating public health, safety, and welfare, public works, business activities, and consumer protection, building standards, land use, or municipal affairs.
**Program Rules:** Code Enforcement and Compliance, CA
(Total Units 18.0 - 18.0)
All of the following
***Certificate Requirements: (Total Units 9.0 - 9.0)***
The following number of Units
CJ101 Introduction to Criminal Justice (Total Units 3.0 - 3.0)
PBLC085 Code Enforcement Officer (Total Units 3.0 - 3.0)
PBLC150 Introduction to Public Administration (Total Units 3.0 - 3.0)
**Select nine (9) units from the following: (Total Units 9.0 - 9.0)**
The following number of Units
PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)
PBLC151 Ethics and Professionalism: The High Calling of Public Service (Total Units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
PBLC153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
PBLC155 The Art of Politics and Policymaking (Total Units 3.0 - 3.0)
**Control Number:** 37102

## Code Enforcement Officer, CA

***Certificate of Achievement***
**Unit Range for Completion:** 10.0 - 10.0
The Certificate of Achievement in Code Enforcement provides students with the course work necessary for employment. It also includes the basic information for a successful career in code enforcement. It is designed for individuals seeking a career as a Code Enforcement Officer as well as sworn or non-sworn inspectors, officers, or investigators employed by a city, state, or county agency seeking specialized training in prevention, detection, investigation and enforcement of violations of statutes or ordinances regulating public health, safety, and welfare, public works, business activities and consumer protection, building standards,

land-use, or municipal affairs.
**Program Rules:** Code Enforcement Officer, CA (Total Units 10.0 - 10.0)
All of the following
***Certificate Requirements: (Total Units 10.0 - 10.0)***
All of the following
PASV086 Basic Code Enforcement Officer Module 1 (Total Units 1.0 - 1.0)
PASV087 Intermediate Code Enforcement Officer Module 2 (Total Units 1.0 - 1.0)
PASV088 Advanced Code Enforcement Officer Module 3 (Total Units 1.0 - 1.0)
PASV089 Code Enforcement Officer-Supervision Module 4 (Total Units 1.0 - 1.0)
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)
PASV155 The Art of Politics and Policymaking (Total Units 3.0 - 3.0)
**Control Number:** 299

# Construction Administration for Public Works, AS

***A.S. Degree Major***
**Unit Range for Completion:** 21.0 - 21.0
This Associate of Science degree in Construction Administration for Public Works is for current, new or future project managers and team members who may seek the Project Management Professional designation as part of their future career plan. The content includes project definition, planning, group dynamics, workplace diversity, team roles and communication techniques, problem solving, evaluation and final reporting on results in both a classroom setting and with opportunities for application.
**Program Rules:** Construction Administration for Public Works, AS (Total Units 21.0 - 21.0)
All of the following
***Major Requirements: (Total Units 12.0 - 12.0)***
The following number of Units
PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 3.0 - 3.0)**
The following number of Units
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
**Select three (3) courses from the following: (Total Units 9.0 - 9.0)**
The following number of Units
PBLC074 Contract Administration (Total Units 3.0 - 3.0)
PBLC080 Introduction to Project Management (Total Units 3.0 - 3.0)
CIS110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
**Only (1) of the two (2) courses below can be used to substitute any of the above courses on this list. (Total Units 0.0 - 0.0)**
PASV153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
**Control Number:** 11909

# Construction Administration for Public Works, CA

***Certificate of Achievement***
**Unit Range for Completion:** 21.0 - 21.0
This Certificate of Achievement in Construction Administration for Public Works is for current, new or future project managers and team members and those who may seek the PMP (Project Management Professional®) designation as part of their future career plan. The content includes project definition, planning, group dynamics, workplace diversity, team roles and communication techniques, problem solving, evaluation and final reporting on results in both a classroom setting and with opportunities for application.
**Program Rules:** Construction Administration for Public Works, CA (Total Units 21.0 - 21.0)
All of the following
***Certificate Requirements: (Total Units 12.0 - 12.0)***
All of the following
PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 3.0 - 3.0)**
The following number of Units
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
**Select three (3) courses from the following: (Total Units 9.0 - 9.0)**
The following number of Units
PBLC074 Contract Administration (Total Units 3.0 - 3.0)
PBLC080 Introduction to Project Management (Total Units 3.0 - 3.0)
CIS110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
**Only (1) of the two (2) courses below can be used to substitute any of the above courses on this list. (Total Units 0.0 - 0.0)**
PASV153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
**Control Number:** 21673

# Construction Inspection for Public Works, AS

***A.S. Degree Major***
**Unit Range for Completion:** 21.0 - 21.0
The Associate of Science degree in Construction Inspection for Public Works is designed for public works inspectors entering the field or advancing within the field or have a designated course of study to improve their employability. Course content is specifically designed to provide the inspectors with coursework relative to the field of inspection and related responsibilities.
**Program Rules:** Construction Inspection for Public Works, AS (Total Units 21.0 - 21.0)
All of the following
***Major Requirements: (Total Units 12.0 - 12.0)***
The following number of Units
PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 3.0 - 3.0)**
The following number of Units
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)

PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
**Please select three (3) courses from the list below. (Total Units 9.0 - 9.0)**
The following number of Units
PBLC051 Infrastructure Construction and Maintenance (Total Units 3.0 - 3.0)
PBLC063 Construction Materials and Testing (Total Units 3.0 - 3.0)
PBLC070 Construction Inspection (Total Units 3.0 - 3.0)
**Substitute: Three (3) units from the courses below can be used to substitute any of the above courses on this list. (Total Units 0.0 - 0.0)**
PASV086 Basic Code Enforcement Officer Module 1 (Total Units 1.0 - 1.0)
PASV087 Intermediate Code Enforcement Officer Module 2 (Total Units 1.0 - 1.0)
PASV088 Advanced Code Enforcement Officer Module 3 (Total Units 1.0 - 1.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
**Control Number:** 32319

# Construction Inspection for Public Works, CA

***Certificate of Achievement***
**Unit Range for Completion:** 21.0 - 21.0
The Certificate of Achievement in Construction Inspection for Public Works is designed for public works inspectors entering the field or advancing within the field or have a designated course of study to improve their employability. Course content is specifically designed to provide the inspectors with coursework relative to the field of inspection and related responsibilities.
**Program Rules:** Construction Inspection for Public Works, CA (Total Units 21.0 - 21.0)
All of the following
***Certificate Requirements: (Total Units 12.0 - 12.0)***
The following number of Units
PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
**Select one (1) course from the following: (Total Units 3.0 - 3.0)**
The following number of Units
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
**Select three (3) courses from the following: (Total Units 9.0 - 9.0)**
The following number of Units
PBLC051 Infrastructure Construction and Maintenance (Total Units 3.0 - 3.0)
PBLC063 Construction Materials and Testing (Total Units 3.0 - 3.0)
PBLC070 Construction Inspection (Total Units 3.0 - 3.0)
**Substitute: Three (3) units from the courses below can be used to substitute any of the above courses on this list. (Total Units 0.0 - 0.0)**
PASV086 Basic Code Enforcement Officer Module 1 (Total Units 1.0 - 1.0)
PASV087 Intermediate Code Enforcement Officer Module 2 (Total Units 1.0 - 1.0)
PASV088 Advanced Code Enforcement Officer Module 3 (Total Units 1.0 - 1.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
**Control Number:** 11910

# Construction Management, AS

***A.S. Degree Major***
**Unit Range for Completion:** 18.0 - 18.0
The Associate of Science Degree in Construction Management is designed for students, career changers, and working professionals seeking technical and managerial roles in the construction industry. This certificate equips learners with a structured progression through essential construction management competencies, spanning blueprint reading, estimating, law and contracts, project delivery methods, and leadership within complex building environments.

The coursework emphasizes practical, real-world skills and industry-aligned knowledge, preparing students for roles such as assistant project manager, construction coordinator, contract administrator, and superintendent. The curriculum is designed to reflect current public and private sector practices, including Design-Build, CM-at-Risk, and Integrated Project Delivery (IPD), and incorporates exposure to modern tools such as Project Management Information Systems (PMIS), Building Information Modeling (BIM), estimating software, and risk mitigation techniques.

Students who complete this certificate will be better positioned for employment or advancement in construction firms, general contractors, public works agencies, and consulting practices. The program supports preparation for additional licensing or credentialing pathways, including the Design Build Institute of America (DBIA), Construction Management Association of America (CMAA), or Association for Professional Engineers (ASPE) certifications.
**Program Rules:** Construction Management, AS (Total Units 18.0 - 18.0)
All of the following
***Major Requirements: (Total Units 18.0 - 18.0)***
All of the following
CNST140 Construction Drawings and Technical Specifications (Total Units 3.0 - 3.0)
CNST141 Estimating & Bidding strategies in Public and Private Sectors. (Total Units 3.0 - 3.0)
CNST142 Construction Finance and Public Sector Budgeting. (Total Units 3.0 - 3.0)
CNST143 Legal Frameworks & Contract Administration (Total Units 3.0 - 3.0)
CNST144 Project Scheduling & Operations Control (Total Units 3.0 - 3.0)
CNST145 Integrated Construction Project Management (Total Units 3.0 - 3.0)
**Control Number:** 299

# Construction Management, CA

***Certificate of Achievement***
**Unit Range for Completion:** 18.0 - 18.0
The Certificate of Achievement in Construction Management is designed for students, career changers, and working professionals seeking technical and managerial roles in the construction industry. This certificate equips learners with a structured progression through essential construction management competencies, spanning blueprint reading, estimating, law and contracts, project delivery methods, and leadership within complex building environments.

The coursework emphasizes practical, real-world skills and industry-aligned knowledge, preparing students for roles such as assistant project manager, construction coordinator, contract administrator, and superintendent. The curriculum is designed to reflect current public and private sector practices, including Design-Build, CM-at-Risk, and Integrated Project Delivery (IPD), and incorporates exposure to modern

tools such as Project Management Information Systems (PMIS), Building Information Modeling (BIM), estimating software, and risk mitigation techniques.

Students who complete this certificate will be better positioned for employment or advancement in construction firms, general contractors, public works agencies, and consulting practices. The program supports preparation for additional licensing or credentialing pathways, including the Design Build Institute of America (DBIA), Construction Management Association of America (CMAA), or Association for Professional Engineers (ASPE) certifications.

**Program Rules:** Construction Management, CA (Total Units 18.0 - 18.0)

All of the following

Certificate Requirements: (Total Units 18.0 - 18.0)

All of the following

CNST140 Construction Drawings and Technical Specifications (Total Units 3.0 - 3.0)

CNST141 Estimating & Bidding strategies in Public and Private Sectors. (Total Units 3.0 - 3.0)

CNST142 Construction Finance and Public Sector Budgeting. (Total Units 3.0 - 3.0)

CNST143 Legal Frameworks & Contract Administration (Total Units 3.0 - 3.0)

CNST144 Project Scheduling & Operations Control (Total Units 3.0 - 3.0)

CNST145 Integrated Construction Project Management (Total Units 3.0 - 3.0)

**Control Number:** 299

## Environmental Management, AS

***A.S. Degree Major***

**Unit Range for Completion:** 21.0 - 21.0

The Associate of Science degree in Environmental Management is designed for students who have completed either or both of the existing Public Works programs as well as incumbent workers seeking career opportunities. Upon completion of this degree and certificate program students will be eligible for employment as Environmental Compliance Officers, Technicians and Inspectors in city, county and state municipalities.

**Program Rules:** Environmental Management, AS (Total Units 21.0 - 21.0)

All of the following

Major Requirements: (Total Units 12.0 - 12.0)

All of the following

PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)

PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)

CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)

Select one (1) from the following: (Total Units 3.0 - 3.0)

The following number of Units

BUS222 Business Writing (Total Units 3.0 - 3.0)

MGMT122 Business Communications (Total Units 3.0 - 3.0)

PBLC150 Introduction to Public Administration (Total Units 3.0 - 3.0)

PBLC152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)

Select three (3) courses from the list below: (Total Units 9.0 - 9.0)

The following number of Units

PBLC067 Environmental Management (Total Units 3.0 - 3.0)

PBLC068 Fundamentals of Storm Water Management (Total Units 3.0 - 3.0)

PBLC069 Green Infrastructure Construction (Total Units 3.0 - 3.0)

Only one (1) of the three (3) courses below can be used to substitute any of the above courses. (Total Units 0.0 - 0.0)

SURV155 Introduction to Geographic Information Systems (Total Units 3.0 - 3.0)

GEOG155 Introduction to Geographic Information Systems (Total Units 3.0 - 3.0)

WATR052 Water Conservation Practitioner (Total Units 3.0 - 3.0)

**Control Number:** 31847

## Environmental Management, CA

***Certificate of Achievement***

**Unit Range for Completion:** 21.0 - 21.0

This Certificate of Achievement in Environmental Management is designed for students who have completed either or both of the existing Public Works programs as well as incumbent workers seeking career opportunities. Upon completion of this degree and certificate program students will be eligible for employment as Environmental Compliance Officers, Technicians, and Inspectors in city, county, and state municipalities.

**Program Rules:** Certificate requirements: (Total Units 21.0 - 21.0)

All of the following

PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)

PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)

CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)

Select one (1) course from the following: (Total Units 3.0 - 3.0)

The following number of Units

BUS222 Business Writing (Total Units 3.0 - 3.0)

MGMT122 Business Communications (Total Units 3.0 - 3.0)

PBLC150 Introduction to Public Administration (Total Units 3.0 - 3.0)

PBLC152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)

**Select three (3) courses from the following: (Total Units 9.0 - 9.0)**

The following number of Units

PBLC067 Environmental Management (Total Units 3.0 - 3.0)

PBLC068 Fundamentals of Storm Water Management (Total Units 3.0 - 3.0)

PBLC069 Green Infrastructure Construction (Total Units 3.0 - 3.0)

**Only (1) of the two (2) courses below can be used to substitute any of the above courses. (Total Units 0.0 - 0.0)**

SURV155 Introduction to Geographic Information Systems (Total Units 3.0 - 3.0)

GEOG155 Introduction to Geographic Information Systems (Total Units 3.0 - 3.0)

WATR052 Water Conservation Practitioner (Total Units 3.0 - 3.0)

**Control Number:** 31848

## Public Administration and Policy, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 15.0 - 15.0

The Certificate of Proficiency in Public Administration and Policy provides students with an achievement and a comprehensive understanding of government, municipality and school districts functions, which include internal, external factors, philosophy and goals of the public servants in today's capacity. Upon completions students will be well equipped with the basic understanding and terminology of key terms used in today's government agencies. .

**Program Rules:** Public Administration and Policy, CERT

(Total Units 15.0 - 15.0)
All of the following
***Certificate Requirements: (Total Units 12.0 - 12.0)***
The following number of Units
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)
PASV151 Ethics and Professionalism: The High Calling of Public Service (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
PASV155 The Art of Politics and Policymaking (Total Units 3.0 - 3.0)
**Select one (1) course from following: (Total Units 3.0 - 3.0)**
The following number of Units
PASV153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
**Control Number:** None

## Public Administration, AS

***A.S. Degree Major***
**Unit Range for Completion:** 18.0 - 18.0
The Associate in Science in Public Administration provides students with the coursework necessary for employment in the public sector such as civil service, community relations, education, health care, nonprofits, and any governmental agency (federal, state, county, or city). Using practical management skills, students will be able to pursue the public interest using various models of decision-making. Students will learn to lead, manage, and serve in a diverse community.
**Program Rules:** Public Administration, AS (Total Units 18.0 - 18.0)
The following number of Units
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)
PASV151 Ethics and Professionalism: The High Calling of Public Service (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
PASV153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
PASV155 The Art of Politics and Policymaking (Total Units 3.0 - 3.0)
**Control Number:** 42990

## Public Administration, CA

***Certificate of Achievement***
**Unit Range for Completion:** 18.0 - 18.0
The Certificate of Achievement in Public Administration provides students with the coursework necessary for employment in the public sector such as civil service, community relations, education, health care, nonprofits, and any governmental agency (federal, state, county, or city). Using practical management skills, students will be able to pursue the public interest using various models of decision-making. Students will learn to lead, manage, and serve in a diverse community.
**Program Rules:** Public Administration, CA (Total Units 18.0 - 18.0)
The following number of Units
PASV150 Introduction to Public Administration (Total Units 3.0 - 3.0)
PASV151 Ethics and Professionalism: The High Calling of Public Service (Total Units 3.0 - 3.0)
PASV152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
PASV153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (Total Units 3.0 - 3.0)
PASV155 The Art of Politics and Policymaking (Total Units 3.0 - 3.0)
**Control Number:** 43901

## Public Works, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 10.0 - 15.0
The certificate of proficiency in Public Works is designed for current and prospective professionals seeking career opportunities and advancement. Course content is specifically created to provide students with practical coursework relative to the roles and responsibilities of construction inspectors, project managers, and superintendents. Upon completion of this certificate, students will be better positioned for employment in local government and/or general contracting/consulting.
**Program Rules:** Public Works, CERT (Total Units 10.0 - 15.0)
The following number of Units
***Certificate Requirements (Total Units 6.0 - 6.0)***
PBLC050 Fundamentals of Public Works (Total Units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (Total Units 3.0 - 3.0)
**Select one (1) course from the following; (Total Units 3.0 - 3.0)**
PBLC070 Construction Inspection (Total Units 3.0 - 3.0)
PBLC074 Contract Administration (Total Units 3.0 - 3.0)
PBLC080 Principles of Project Management (Total Units 3.0 - 3.0)
PBLC063 Construction Materials and Testing (Total Units 3.0 - 3.0)
PBLC051 Infrastructure Construction and Maintenance (Total Units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (Total Units 3.0 - 3.0)
Select one (1) course from the following; (Total Units 1.0 - 6.0)
PBLC199 Cooperative Work Experience Education (Total Units 1.0 - 4.0)
PBLC069 Green Infrastructure Construction (Total Units 3.0 - 3.0)
PBLC068 Fundamentals of Storm Water Management (Total Units 3.0 - 3.0)
PBLC067 Environmental Management (Total Units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (Total Units 3.0 - 3.0)
PBLC153 Public Sector Budgeting Fundamentals (Total Units 3.0 - 3.0)
**Control Number:** None

# REAL ESTATE

## California-specific Certified Community Association Management (CCAM), CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 13.0 - 13.0
The Certified (CA) Community Association Manager (CCAM) is the first stop on your professional pathway. Achieving the CCAM will ensure you are proficient in best business practices, California-specific laws and ethical guidelines to apply when managing community associations.
**Program Rules:** California-specific Certified Community Association Management (CCAM), CERT (Total Units 13.0 - 13.0)
All of the following
***Certificate Requirements: (Total Units 13.0 - 13.0)***
All of the following
RE054 Community Management Basics of Association Management 1 (Total Units 3.0 - 3.0)
RE055 Community Management Basics of Association Management 2 (Total Units 3.0 - 3.0)
RE056 Community Management CA Law Series 1 (Total Units 3.0 - 3.0)
RE057 Community Management CA Law Series 2 (Total Units 3.0 - 3.0)
RE058 Foundational Ethics for Community Managers (Total Units 1.0 - 1.0)
**Control Number:** None

# Real Estate Appraisal, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 14.0 - 14.0

The Certificate of Proficiency in Real Estate Appraisal is designed for individuals interested in a career in real estate appraisal of both residential and commercial property. The program is intended to prepare students for the California real estate appraiser license exam, certified residential exam and certified general exam. As well it provides coursework for real estate professionals.

**Program Rules:** Real Estate Appraisal, CERT (Total Units 14.0 - 14.0)

The following number of Units

***Core Requirements: (Total Units 11.0 - 11.0)***

All of the following

RE102 Real Estate Principles (Total Units 3.0 - 3.0)
RE114 Appraisal Principles and Procedures (Total Units 3.5 - 3.5)
RE116 Residential Real Estate Appraisal (Total Units 3.5 - 3.5)
RE117 Residential Report Writing and Case Studies (Total Units 1.0 - 1.0)

**Select one (1) of the following: (Total Units 3.0 - 3.0)**

The following number of Units

RE103 Legal Aspects of Real Estate (Total Units 3.0 - 3.0)
RE110 Real Estate Economics (Total Units 3.0 - 3.0)

**Control Number:** None

# Real Estate Salesperson, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 12.5 - 12.5

The Certificate of Proficiency in Real Estate Salesperson provides students with the coursework necessary to meet the state DRE (Department of Real Estate) educational requirements that qualify an individual to sit for the Salesperson's license exam. It also includes the basic information for a successful career in real estate sales.

**Program Rules:** Real Estate Salesperson, CERT (Total Units 12.5 - 12.5)

All of the following

***Core Requirements: (Total Units 9.5 - 9.5)***

All of the following

RE102 Real Estate Principles (Total Units 3.0 - 3.0)
RE105 Real Estate Practice (Total Units 3.0 - 3.0)
RE114 Appraisal Principles and Procedures (Total Units 3.5 - 3.5)

**Select one (1) course from the following: (Total Units 3.0 - 3.0)**

The following number of Units

RE103 Legal Aspects of Real Estate (Total Units 3.0 - 3.0)
RE106 Real Estate Finance (Total Units 3.0 - 3.0)
RE110 Real Estate Economics (Total Units 3.0 - 3.0)
RE112 Real Property Management (Total Units 3.0 - 3.0)
RE151 Fundamentals of Escrow (Total Units 3.0 - 3.0)

**Control Number:** None

# Real Estate, AS

***A.S. Degree Major***

**Unit Range for Completion:** 22.5 - 25.5

The Associate of Science degree in Real Estate is designed for individuals interested in careers in real estate as salespersons, brokers, and real estate industry professionals including mortgage brokers, property managers, title officers, developers and as government employees. The program is intended to meet the mandatory and elective course requirements students need to sit for the California real estate sales license exam.

**Program Rules:** Real Estate, AS (Total Units 22.5 - 25.5)

All of the following

***Major requirements: (Total Units 21.5 - 21.5)***

The following number of Units

RE102 Real Estate Principles (Total Units 3.0 - 3.0)
RE103 Legal Aspects of Real Estate (Total Units 3.0 - 3.0)
RE105 Real Estate Practice (Total Units 3.0 - 3.0)
RE106 Real Estate Finance (Total Units 3.0 - 3.0)
RE112 Real Property Management (Total Units 3.0 - 3.0)
RE114 Appraisal Principles and Procedures (Total Units 3.5 - 3.5)
RE151 Fundamentals of Escrow (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 1.0 - 4.0)**

The following number of Units

ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
RE110 Real Estate Economics (Total Units 3.0 - 3.0)
RE116 Residential Real Estate Appraisal (Total Units 3.5 - 3.5)
RE117 Residential Report Writing and Case Studies (Total Units 1.0 - 1.0)
RE153 Real Estate License Preparation (Total Units 3.0 - 3.0)

**Control Number:** 11869

# Real Estate, CA

***Certificate of Achievement***

**Unit Range for Completion:** 22.5 - 25.5

The Certificate of Achievement in Real Estate is designed for individuals interested in careers in real estate as salespersons, brokers, and real estate industry professionals including mortgage brokers, property managers, title officers, developers and as government employees. The program is intended to meet the mandatory and elective course requirements students need to sit for the California real estate sales or brokers license exam.

**Program Rules:** Real Estate, CA (Total Units 22.5 - 25.5)

All of the following

***Certificate requirements: (Total Units 21.5 - 21.5)***

The following number of Units

RE102 Real Estate Principles (Total Units 3.0 - 3.0)
RE103 Legal Aspects of Real Estate (Total Units 3.0 - 3.0)
RE105 Real Estate Practice (Total Units 3.0 - 3.0)
RE106 Real Estate Finance (Total Units 3.0 - 3.0)
RE112 Real Property Management (Total Units 3.0 - 3.0)
RE114 Appraisal Principles and Procedures (Total Units 3.5 - 3.5)
RE151 Fundamentals of Escrow (Total Units 3.0 - 3.0)

**Select one (1) course from the following: (Total Units 1.0 - 4.0)**

The following number of Units

RE116 Residential Real Estate Appraisal (Total Units 3.5 - 3.5)
RE117 Residential Report Writing and Case Studies (Total Units 1.0 - 1.0)
RE110 Real Estate Economics (Total Units 3.0 - 3.0)
RE153 Real Estate License Preparation (Total Units 3.0 - 3.0)
ACCT101 Financial Accounting (Total Units 4.0 - 4.0)
ACCT100 Accounting for Small Business (Total Units 3.0 - 3.0)
BUS105 Legal Environment of Business (Total Units 3.0 - 3.0)

**Control Number:** 21639

# SOCIOLOGY

# Law, Public Policy, and Society, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 28.0 - 33.5

The Associate in Arts in This interdisciplinary degree is designed to facilitate the student's seamless transfer from Santiago Canyon College to the California State University (CSU) System with an Associate in Arts in Law, Public Policy, and Society for Transfer degree. This interdisciplinary degree highlights coursework that is appropriate for a student considering law school as it emphasizes the development of logical, analytical and communication skills, introduces students to the legal field, and provides

preparation of further study in a variety of majors such as Philosophy, Economics, Political Science, Communication, History, Sociology, or other social sciences. Students who opt to pursue this course of study are encouraged to engage in further exploration of one or more specific majors as they select electives for degree completion.

**Program Rules:** Law, Public Policy, and Society, AA-T (Total Units 28.0 - 33.5)

All of the following

***Major Requirements: (Total Units 24.0 - 24.5)***

The following number of Units

Law Requirement (Total Units 0.0 - 0.0)
BUSI05 Legal Environment of Business (Total Units 3.0 - 3.0)
Ethics Requirement (Total Units 0.0 - 0.0)
PHIL108 Ethics (Total Units 3.0 - 3.0)
***Communication Requirement - Please select one (1) COMM course. (Total Units 0.0 - 0.0)***
COMM101 Group Dynamics (Total Units 3.0 - 3.0)
COMMC1000 Introduction to Public Speaking (Total Units 3.0 - 3.0)
COMM111 Argumentation and Debate (Total Units 3.0 - 3.0)
English Requirement - Please select one (1) ENGL course. (Total Units 0.0 - 0.0)
ENGLC1000 Academic Reading and Writing (Total Units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (Total Units 4.0 - 4.0)
***Persuasion Requirement - Please select one (1) course. (Total Units 0.0 - 0.0)***
COMM111 Argumentation and Debate (Total Units 3.0 - 3.0)
COMM130 Forensics Team (Total Units 4.0 - 6.0)
PHIL111 Introductory Logic (Total Units 4.0 - 4.0)
Quantitative Reasoning - Please select one (1) course. (Total Units 0.0 - 0.0)
SOCI25 Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
SOCI25H Honors Introduction to Statistics in Sociology (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
***History Requirement - Please select one (1) HIST course. (Total Units 0.0 - 0.0)***
HIST120 The United States to 1877 - This course is now HISTC1001 (Total Units 3.0 - 3.0)
HIST120H Honors The United States to 1877 - This course is now HISTC1001H (Total Units 3.0 - 3.0)
HIST121 The United States Since 1865 - This course is now HISTC1002 (Total Units 3.0 - 3.0)
HIST121H Honors the United States Since 1865 - This course is now HISTC1002H (Total Units 3.0 - 3.0)
***Political Science Requirement (Total Units 0.0 - 0.0)***
POLSC1000 American Government and Politics (Total Units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (Total Units 3.0 - 3.0)

**LIST A: Select two courses from two of the areas listed below. (NOTE: courses must not have been used above.) (Total Units 4.0 - 9.0)**

The following number of Units

***Area 1: Administrative of Justice/Criminal Justice/Criminology (Total Units 0.0 - 0.0)***
CJ101 Introduction to Criminal Justice (Total Units 3.0 - 3.0)
SOC160 Introduction to Criminology (Total Units 3.0 - 3.0)
***Area 2: Business (Total Units 0.0 - 0.0)***
BUSI05 Legal Environment of Business (Total Units 3.0 - 3.0)
***Area 3: Economics (Total Units 0.0 - 0.0)***
ECON101 Principles/Micro - This course is now ECONC2001 (Total Units 3.0 - 3.0)
ECON102 Principles/Macro (Total Units 3.0 - 3.0)
***Area 4: Political Science (Total Units 0.0 - 0.0)***
POLT201 Introduction to Comparative Politics (Total Units 3.0 - 3.0)
POLT220 International Politics (Total Units 3.0 - 3.0)
POLT230 Political Theory (Total Units 3.0 - 3.0)
***Area 5: Public Policy (Total Units 0.0 - 0.0)***
POLT150 Model United Nations (Total Units 4.0 - 6.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)
SOC230 Drugs and Society (Total Units 3.0 - 3.0)
***Area 6: Diversity (Total Units 0.0 - 0.0)***
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
ENGL280 Literature of the African Diaspora (Total Units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN104 La Mujer: Life and Experience (Total Units 3.0 - 3.0)
ETHN110 Introduction to Asian Pacific American Studies (Total Units 3.0 - 3.0)
ETHN120 Introduction to African American Studies (Total Units 3.0 - 3.0)
CHST101 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
ETHN140 Introduction to Native American Studies (Total Units 3.0 - 3.0)
GEOG102 Cultural Geography (Total Units 3.0 - 3.0)
GEOG102H Honors Cultural Geography (Total Units 3.0 - 3.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
GSWS102 Money, Sex, and Power (Total Units 3.0 - 3.0)
GSWS104 La Mujer: Life and Experience (Total Units 3.0 - 3.0)
HIST115 African American History (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
HIST125 Native Americans in the U.S. (Total Units 3.0 - 3.0)
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
HIST129 LGBTQ+ History in the U.S. (Total Units 3.0 - 3.0)
HIST130 Asian American & Pacific Islander History (Total Units 3.0 - 3.0)
HIST132 Modern African History (Total Units 3.0 - 3.0)
HIST142 History of the Modern Middle East (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
HIST162 Asian Civilizations (Total Units 3.0 - 3.0)
HIST172 Jewish History (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)
POLT235 Identity Politics (Total Units 3.0 - 3.0)
PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)
SOC115 Death and Dying (Total Units 3.0 - 3.0)
SOC130 Relationships, Marriages, and Family Dynamics (Total Units 3.0 - 3.0)
SOC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC240H Honors Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)
***Area 7: College Success (Total Units 0.0 - 0.0)***
CNSL101 Educational, Personal, Cultural, and Career Exploration (Total Units 3.0 - 3.0)
CNSL113 Learning Strategies for College Success (Total Units 3.0 - 3.0)
CNSL116 Career/Life Planning and Personal Exploration (Total Units 3.0 - 3.0)
***Area 8: Internship/Fieldwork (Total Units 0.0 - 0.0)***
CNSL160A The Helping Professions Seminar (Total Units 1.0 - 1.0)
CNSL160B Fieldwork Experience for the Helping Professions (Total Units 2.0 - 2.0)

**Control Number:** 299

# Social Justice Studies: Chicano, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 18.0 - 18.0

The Associate of Arts in Social Justice: Chicano Studies for Transfer degree is an interdisciplinary social science and humanities program providing students an understanding of intersectional identities, marginalized groups, social structure, critical race studies, intersectional feminist studies within Chicana/o studies through both a historic and contemporary lens. This degree will enable students to understand and critique systematic oppression within social structures affecting the Chicana/o populations. Successful completion of the transfer degree in Social Justice: Chicano Studies guarantees the student acceptance into the California State University system to pursue a baccalaureate degree in Social Justice or a related field.

**Program Rules:** Social Justice Studies: Chicano, AA-T (Total Units 18.0 - 18.0)
All of the following

***Major requirements: (Total Units 9.0 - 9.0)***
The following number of Units

**ETHN 101 and SOC 101 are considered the same course. Please select only one, credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)

**List A - Select three (3) courses from at least two (2) of the following areas: (Total Units 9.0 - 9.0)**
The following number of Units

***Area 1: History and Government (Total Units 0.0 - 0.0)***
HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)

***Area 2: Arts and Humanities (Total Units 0.0 - 0.0)***
ENGL279 Survey of Latinx Literature (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)

***Area 3: Social Science (Total Units 0.0 - 0.0)***
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)

***Area 4: Quantitative Reasoning and Research Methods (Total Units 0.0 - 0.0)***
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)

***Area 5: Major Preparation (Total Units 0.0 - 0.0)***
**ETHN 101 and SOC 101 are considered the same course. Please select only one, credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)

**Control Number:** 37132

# Social Justice Studies: Ethnic, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 18.0 - 18.0

The Associate of Arts in Social Justice: Ethnic Studies for Transfer degree is an interdisciplinary social science and humanities program providing students an understanding of intersectional identities, marginalized groups, social structure, critical race studies, intersectional feminist studies, and ethnic studies through both a historic and contemporary lens. This degree will enable students to understand and critique systematic oppression within social structures. Successful completion of the transfer degree in Social Justice: Ethnic Studies guarantees the student acceptance into the California State University system to pursue a baccalaureate degree in Social Justice or a related field.

**Program Rules:** Social Justice Studies: Ethnic, AA-T (Total Units 18.0 - 18.0)
All of the following

***Major requirements: (Total Units 9.0 - 9.0)***
The following number of Units

**ETHN101 and SOC101 are considered the same course. Please select only one, credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)

**Select three (3) courses from at least two (2) of the following areas (List A): (Total Units 9.0 - 9.0)**
The following number of Units

***Area 1: History and Government (Total Units 0.0 - 0.0)***
HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)

***Area 2: Arts and Humanities (Total Units 0.0 - 0.0)***
ENGL279 Survey of Latinx Literature (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
HIST162 Asian Civilizations (Total Units 3.0 - 3.0)

***Area 3: Social Science (Total Units 0.0 - 0.0)***
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
HIST240 Introduction to Peace and Conflict Studies (Total Units 3.0 - 3.0)
PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)

***Area 4: Quantitative Reasoning and Research Methods (Total Units 0.0 - 0.0)***
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)

***Area 5: Major Preparation Units (may not be a course to satisfy the core requirements) (Total Units 0.0 - 0.0)***
ETHN130 Introduction to Chicano Studies (Total Units 3.0 - 3.0)

**Control Number:** 37162

# Social Justice Studies: Gender, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 18.0 - 18.0

The Associate of Arts in Social Justice Studies: Gender Studies for Transfer degree is an interdisciplinary social science and humanities program providing students with an intersectional understanding of gender studies through both a historic and contemporary lens. This degree will enable students to use a gendered lens to understand and critique multiple forms of oppression within social structures. Successful completion of the transfer degree in Social Justice guarantees the student acceptance into the California State University system to pursue a baccalaureate degree in Social Justice or a related field.

**Program Rules:** Social Justice Studies: Gender, AA-T (Total Units 18.0 - 18.0)
All of the following

***Major Requirement: (Total Units 6.0 - 6.0)***
The following number of Units

**ETHN101 and SOC101 are considered the same course. Please select only one, credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
***CORE: (Total Units 3.0 - 3.0)***
The following number of Units
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)
**List A - Select three (3) courses from at least (2) two of the areas. (Total Units 9.0 - 9.0)**
The following number of Units
***Area 1: History or Government (Total Units 0.0 - 0.0)***
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)
***Area 2: Arts and Humanities (Total Units 0.0 - 0.0)***
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
PHIL120 Introduction to Social and Political Philosophy (Total Units 3.0 - 3.0)
***Area 3: Social Science (Total Units 0.0 - 0.0)***
COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)
***Area 4: Quantitative Reasoning and Research Methods (Total Units 0.0 - 0.0)***
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
***Area 5: Major Preparation (Total Units 0.0 - 0.0)***
**Any course from CORE list. May not be a course used to satisfy the CORE requirements. (Total Units 0.0 - 0.0)**
GSWS102 Money, Sex, and Power (Total Units 3.0 - 3.0)

**Control Number:** 37133

# Social Justice Studies: General, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 18.0 - 19.0

The Associate of Arts in Social Justice for Transfer degree is an interdisciplinary social science and humanities program providing students an understanding of intersectional identities, marginalized groups, social structure, critical race studies, gender and women's studies, and ethnic studies through both a historic and contemporary lens. This degree will enable students to understand and critique systematic oppression within social structures. Successful completion of the transfer degree in Social Justice guarantees the student acceptance into the California State University system to pursue a baccalaureate degree in Social Justice or a related field.

**Program Rules:** Social Justice Studies: General, AA-T (Total Units 18.0 - 18.0)
All of the following
***Major Requirements: (Total Units 9.0 - 9.0)***
The following number of Units
**ETHN101 and SOC101 are considered the same course. Please select only one, credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
CHST101 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
**Select three (3) courses from at least two (2) of the following areas (List A): (Total Units 9.0 - 9.0)**
The following number of Units
***Area 1: History or Government (Total Units 0.0 - 0.0)***
HIST118 Social and Cultural History of the United States (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
HIST127 Women in U.S. History (Total Units 3.0 - 3.0)
HIST132 Modern African History (Total Units 3.0 - 3.0)
POLT221 Women in American Politics (Total Units 3.0 - 3.0)
***Area 2: Arts and Humanities (Total Units 0.0 - 0.0)***
ENGL279 Survey of Latine Literature (Total Units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
HIST162 Asian Civilizations (Total Units 3.0 - 3.0)
PHIL120 Introduction to Social and Political Philosophy (Total Units 3.0 - 3.0)
***Area 3: Social Science (Total Units 0.0 - 0.0)***
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
COMM225 Gender Communication (Total Units 3.0 - 3.0)
COMM225H Honors Gender Communication (Total Units 3.0 - 3.0)
PSYC170 Multicultural Psychology (Total Units 3.0 - 3.0)
PSYC180 Psychology of Gender (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)
***Area 4: Quantitative Reasoning and Research Methods (Total Units 0.0 - 0.0)***
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
***Area 5: Major Preparation (may not be a course used to satisfy the core requirements) (Total Units 0.0 - 0.0)***
**ETHN101 and SOC101 are considered the same course. Please select only one, credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
CHST101 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Control Number:** 37161

# Sociology, AA

***A.A. Degree Major***

**Unit Range for Completion:** 18.0 - 20.0

The Associate of Arts degree in Sociology is an interdisciplinary social science program providing students an understanding of behavior and social structure, a critical appreciation of contemporary social life, a form of reference for an analysis of human behavior. Completion of the associate in arts degree prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree.

**Program Rules:** Sociology, AA (Total Units 18.0 - 20.0)
All of the following
***Major requirements: (Total Units 3.0 - 3.0)***
The following number of Units
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
**Select two (2) courses from the following core requirements: (Total Units 6.0 - 7.0)**
The following number of Units
**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
**STATC1000, STATC1000H, and STATC1000E are considered the**

**same course. Credit will be awarded for only one of these courses. (Total Units 0.0 - 0.0)**
SOC116 Social Problems (Total Units 3.0 - 3.0)
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Select two (2) courses from the following (List A): (Total Units 6.0 - 6.0)**
The following number of Units
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC130 Relationships, Marriages, and Family Dynamics (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
SOC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)

**Select two (1) courses from the following (List B): (Total Units 3.0 - 4.0)**
The following number of Units
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC115 Death and Dying (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)

**Control Number:** 11947

# Sociology, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 19.0 - 20.5

The Associate in Arts in Sociology for Transfer degree is an interdisciplinary social science program providing students an intersectional understanding of social behavior, social interaction, and social structure and a critical analysis of contemporary social life. Successful completion of the transfer degree in Sociology guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Sociology or a related field. The SCC Sociology degree aligns with the Sociology UC Transfer Pathway.

**Program Rules:** Sociology, AA-T (Total Units 19.0 - 20.5)
All of the following

***Major requirements: (Total Units 6.0 - 6.0)***
The following number of Units

**When an honors course is available, students can select an honors course or a non-honors course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
**Select SOC100 or SOC100H. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)

**Select one (1) course from the following core requirements: (Total Units 4.0 - 4.5)**
The following number of Units
STATC1000 Introduction to Statistics (Total Units 4.0 - 4.0)
STATC1000E Introduction to Statistics (Total Units 4.5 - 4.5)
STATC1000H Introduction to Statistics - Honors (Total Units 4.0 - 4.0)

**Select two (2) courses from the following (List A): (Total Units 6.0 - 6.0)**
The following number of Units

**ETHN101 and SOC101 are considered the same course and credit will be awarded for only one course. (Total Units 0.0 - 0.0)**
PSYC 240 and SOC240/240H are considered the same course and credit will be awarded for only one course. (Total Units 0.0 - 0.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC115 Death and Dying (Total Units 3.0 - 3.0)
SOC120 Introduction to Sociological Research Methods (Total Units 3.0 - 3.0)
SOC130 Relationships, Marriages, and Family Dynamics (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
PSYC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC240 Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC240H Honors Introduction to Social Psychology (Total Units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (Total Units 3.0 - 3.0)

**Select one (1) course from the following (List B): (Total Units 3.0 - 4.0)**
The following number of Units
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ENGLC1001 Critical Thinking and Writing (Total Units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (Total Units 4.0 - 4.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (Total Units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)

**Control Number:** 30600

# SPANISH

# Spanish, AA-T

***A.A. Degree for Transfer***

**Unit Range for Completion:** 18.0 - 25.0

The Associate in Arts in Spanish for Transfer Degree is designed for students intending to transfer to the California State University system. Successful completion of the transfer degree in Spanish guarantees the student acceptance to the California State University campus leading to a baccalaureate degree in Spanish or similar major. The Associate in Arts in Spanish for Transfer Degree develops competence and proficiency in understanding, reading, writing, and speaking Spanish. In addition, it provides and promotes a deeper appreciation of the Spanish language and cultures in Spanish-speaking countries. Upon successful completion of the degree, student will possess the foundation to pursue various paths, including healthcare, law enforcement, public safety, public service, education, U.S. government, translation and/or interpreting, business, international relations, food services, teaching English in Spanish speaking countries, hospitality, travel industry, and other related fields.

**Program Rules:** Spanish, AA-T (Total Units 18.0 - 25.0)
All of the following

***Major Requirements: (Total Units 15.0 - 22.0)***
The following number of Units

***If student places out of any of the courses mentioned in Option 1, student will need to take additional courses from LIST A to fulfill the unit requirement. (Total Units 0.0 - 0.0)**
SPAN101/101H or SPAN101A and SPAN101B (Total Units 0.0 - 0.0)
SPAN101 Elementary Spanish I (Total Units 5.0 - 5.0)
SPAN101H Honors Elementary Spanish I (Total Units 5.0 - 5.0)
SPAN101A Elementary Spanish IA (Total Units 2.5 - 2.5)
SPAN101B Elementary Spanish IB (Total Units 2.5 - 2.5)
SPAN102 Elementary Spanish II (Total Units 5.0 - 5.0)
SPAN110 or SPAN 201 (Total Units 0.0 - 0.0)

SPAN110 Spanish for Spanish Speakers I (Total Units 5.0 - 5.0)
SPAN201 Intermediate Spanish I (Total Units 5.0 - 5.0)
SPAN111 or SPAN 202 (Total Units 0.0 - 0.0)
SPAN111 Spanish for Spanish Speakers 2 (Total Units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (Total Units 5.0 - 5.0)

**Select one (1) course from the following (List A): (Total Units 3.0 - 3.0)**
The following number of Units
SPAN194 Beginning Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195A Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (Total Units 3.0 - 3.0)
SPAN213 College Spanish Composition (Total Units 3.0 - 3.0)

**Substitution List for Major Requirements (CORE) (Total Units 0.0 - 0.0)**
The following number of Units
**If a student places out of any elementary level core course(s) and is not awarded units for the course, the student must select course(s) from this substitution list. (Total Units 0.0 - 0.0)**
**ETHN 101 and SOC 101 are "same as" and no credit will be given to both. (Total Units 0.0 - 0.0)**
ANTH100 Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (Total Units 3.0 - 3.0)
ANTH104 Language and Culture (Total Units 3.0 - 3.0)
COMM120 Intercultural Communication (Total Units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (Total Units 3.0 - 3.0)
ENGL279 Survey of Latine Literature (Total Units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (Total Units 3.0 - 3.0)
FREN101 Elementary French I (Total Units 5.0 - 5.0)
GEOG100 World Regional Geography (Total Units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (Total Units 3.0 - 3.0)
GSWS101 Introduction to Women's Studies (Total Units 3.0 - 3.0)
HIST124 Mexican American History in the United States (Total Units 3.0 - 3.0)
HIST152 Latin American History (Total Units 3.0 - 3.0)
ITAL101 Elementary Italian I (Total Units 5.0 - 5.0)
SOC100 Introduction to Sociology (Total Units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (Total Units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (Total Units 3.0 - 3.0)
SOC116 Social Problems (Total Units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (Total Units 3.0 - 3.0)
**NOTE: REQUIRE CORE: If a student places out of the 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). Suggested substitutions include courses in List A. (Total Units 0.0 - 0.0)**

**Control Number:** 32045

# WATER AND WASTEWATER TECHNOLOGY

## Advanced Water Treatment Operator, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 12.0
The Certificate of Proficiency in Advanced Water Treatment Operations program is designed to prepare students for careers in the field of advanced water reuse and related treatment operations. Subjects addressed include water quality and public health regulations, understand advanced water reuse processes and the impact of feed water quality on production and finished water quality. advanced treatment processes, wastewater recycling and disposal, and advanced oxidation processes. Advanced Water Treatment Operators protect public health by ensuring a supply of safe and high-quality drinking water from advanced water reuse facilities. The Certificate of Achievement provides students knowledge and understanding pertaining to advanced treatment processes related to direct and indirect potable reuse operations.
**Program Rules:** Advanced Water Treatment Operator, CERT (Total Units 12.0 - 12.0)
All of the following
***Certificate Requirements: (Total Units 12.0 - 12.0)***
All of the following
WATR139 Water Reclamation and Reuse (Total Units 3.0 - 3.0)
WATR151 Wastewater Treatment (Total Units 3.0 - 3.0)
WATR252 Advanced Wastewater Treatment (Total Units 3.0 - 3.0)
WATR254 Advanced Water Treatment Operations (Total Units 3.0 - 3.0)
**Control Number:** None

## Wastewater Treatment, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 12.0
The Certificate of Proficiency in the Wastewater/Environmental Sanitation program is designed to prepare students for careers in the environmental protection field of waste water treatment. Subjects addressed include water quality and public health regulations, conventional wastewater treatment process operation, advanced treatment processes, and wastewater recycling and disposal.
**Program Rules:** Wastewater Treatment, CERT (Total Units 12.0 - 12.0)
The following number of Units
***Certificate Requirements: (Total Units 9.0 - 9.0)***
All of the following
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR151 Wastewater Treatment (Total Units 3.0 - 3.0)
WATR252 Advanced Wastewater Treatment (Total Units 3.0 - 3.0)
**Select one (1) of the following: (Total Units 3.0 - 3.0)**
The following number of Units
WATR139 Water Reclamation and Reuse (Total Units 3.0 - 3.0)
WATR150 Introduction to Wastewater Treatment (Total Units 3.0 - 3.0)
WATR153 Collection Systems (Total Units 3.0 - 3.0)
**Control Number:** None

## Wastewater/Environmental Sanitation, AS

***A.S. Degree Major***
**Unit Range for Completion:** 21.0 - 21.0
The Associate of Science degree in the Wastewater/Environmental Sanitation program is designed to prepare students for careers in the environmental protection field of waste water treatment. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, conventional wastewater treatment process operation, advanced treatment processes, and wastewater recycling and disposal.
**Program Rules:** Wastewater/Environmental Sanitation, AS (Total Units 21.0 - 21.0)
All of the following
***Major requirements: (Total Units 12.0 - 12.0)***
The following number of Units
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR150 Introduction to Wastewater Treatment (Total Units 3.0 - 3.0)

WATR151 Wastewater Treatment (Total Units 3.0 - 3.0)
WATR252 Advanced Wastewater Treatment (Total Units 3.0 - 3.0)

**Select three (3) courses from the following: (Total Units 9.0 - 9.0)**
The following number of Units
WATR136 Introduction to Water Science (Total Units 3.0 - 3.0)
WATR139 Water Reclamation and Reuse (Total Units 3.0 - 3.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
WATR141 Water Distribution (Total Units 3.0 - 3.0)
WATR143 Electrical Wiring and Controls for Operators (Total Units 3.0 - 3.0)
WATR144 Pumps and Pumping (Total Units 3.0 - 3.0)
WATR146 Water Treatment Fundamentals (Total Units 3.0 - 3.0)
WATR148 Water Quality (Total Units 3.0 - 3.0)
WATR153 Collection Systems (Total Units 3.0 - 3.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)
WATR242 Advanced Water Distribution (Total Units 3.0 - 3.0)
WATR247 Advanced Water Treatment (Total Units 3.0 - 3.0)

**Control Number:** 11908

## Wastewater/Environmental Sanitation, CA

***Certificate of Achievement***
**Unit Range for Completion:** 21.0 - 21.0
The Certificate of Achievement in Wastewater/Environmental Sanitation program is designed to prepare students for careers in the environmental protection field of waste water treatment. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, conventional wastewater treatment process operation, advanced treatment processes, and wastewater recycling and disposal.
**Program Rules:** Wastewater/Environmental Sanitation, CA (Total Units 21.0 - 21.0)
All of the following

***Certificate requirements: (Total Units 12.0 - 12.0)***
The following number of Units
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR150 Introduction to Wastewater Treatment (Total Units 3.0 - 3.0)
WATR151 Wastewater Treatment (Total Units 3.0 - 3.0)
WATR252 Advanced Wastewater Treatment (Total Units 3.0 - 3.0)

**Select three (3) courses from the following: (Total Units 9.0 - 9.0)**
The following number of Units
WATR136 Introduction to Water Science (Total Units 3.0 - 3.0)
WATR139 Water Reclamation and Reuse (Total Units 3.0 - 3.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
WATR141 Water Distribution (Total Units 3.0 - 3.0)
WATR143 Electrical Wiring and Controls for Operators (Total Units 3.0 - 3.0)
WATR144 Pumps and Pumping (Total Units 3.0 - 3.0)
WATR146 Water Treatment Fundamentals (Total Units 3.0 - 3.0)
WATR148 Water Quality (Total Units 3.0 - 3.0)
WATR153 Collection Systems (Total Units 3.0 - 3.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)
WATR242 Advanced Water Distribution (Total Units 3.0 - 3.0)

**Control Number:** 21669

## Water Conservation, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 12.0
This program prepares students for careers in Water Conservation, and certification by the California-Nevada Section of the American Water Works Association as a Water Use Efficiency Practitioner. Required courses explore drinking water distribution systems; regional water supply issues; current water consumption for residential, commercial, industrial, and agricultural customers; common conservation practices; and effective customer education and communication.
**Program Rules:** Water Conservation, CERT (Total Units 12.0 - 12.0)
The following number of Units

***Certificate Requirements: (Total Units 6.0 - 6.0)***
All of the following
WATR138 Water Conservation Practitioner (Total Units 3.0 - 3.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)

**Select one of the following: (Total Units 3.0 - 3.0)**
The following number of Units
BUS090 Principles of Project Management (Total Units 3.0 - 3.0)
PBLC080 Principles of Project Management (Total Units 3.0 - 3.0)

**Select one of the following: (Total Units 3.0 - 3.0)**
The following number of Units
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)

**Control Number:** None

## Water Distribution, AS

***A.S. Degree Major***
**Unit Range for Completion:** 21.0 - 21.0
The Associate of Science degree in Water Distribution program is designed to prepare students for careers in the public health field of drinking water distribution. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, water distribution system components and operation, drinking water disinfection practices, and related water mathematics and hydraulic principles.
**Program Rules:** Water Distribution, AS (Total Units 21.0 - 21.0)
All of the following

***Major requirements: (Total Units 9.0 - 9.0)***
The following number of Units
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR141 Water Distribution (Total Units 3.0 - 3.0)
WATR242 Advanced Water Distribution (Total Units 3.0 - 3.0)

**Select four (4) courses from the following: (Total Units 12.0 - 12.0)**
The following number of Units
WATR136 Introduction to Water Science (Total Units 3.0 - 3.0)
WATR138 Water Conservation Practitioner (Total Units 3.0 - 3.0)
WATR139 Water Reclamation and Reuse (Total Units 3.0 - 3.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
WATR143 Electrical Wiring and Controls for Operators (Total Units 3.0 - 3.0)
WATR144 Pumps and Pumping (Total Units 3.0 - 3.0)
WATR146 Water Treatment Fundamentals (Total Units 3.0 - 3.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)

**Control Number:** 11907

## Water Distribution, CA

***Certificate of Achievement***
**Unit Range for Completion:** 21.0 - 21.0
The Certificate of Achievement in Water Distribution is designed to prepare students for careers in the public health field of drinking water distribution. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, water distribution system components and operation, drinking water disinfection practices, and related water mathematics and hydraulic principles.
**Program Rules:** Water Distribution, CA (Total Units 21.0 - 21.0)
All of the following

***Certificate requirements: (Total Units 9.0 - 9.0)***
The following number of Units
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR141 Water Distribution (Total Units 3.0 - 3.0)
WATR242 Advanced Water Distribution (Total Units 3.0 - 3.0)
**Select four (4) courses from the following: (Total Units 12.0 - 12.0)**
**The following number of Units**
WATR136 Introduction to Water Science (Total Units 3.0 - 3.0)
WATR138 Water Conservation Practitioner (Total Units 3.0 - 3.0)
WATR139 Water Reclamation and Reuse (Total Units 3.0 - 3.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
WATR143 Electrical Wiring and Controls for Operators (Total Units 3.0 - 3.0)
WATR144 Pumps and Pumping (Total Units 3.0 - 3.0)
WATR146 Water Treatment Fundamentals (Total Units 3.0 - 3.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)
**Control Number:** 19625

## Water Distribution, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 12.0 - 12.0
The Certificate of Proficiency in Water Distribution program prepares students for careers in the public health field of drinking water distribution. Subjects addressed include water quality and public health regulations, water distribution system components and operation, drinking water disinfection practices, and related water mathematics and hydraulic principles.
**Program Rules:** Water Distribution, CERT (Total Units 12.0 - 12.0)
The following number of Units
***Certificate Requirements: (Total Units 9.0 - 9.0)***
All of the following
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR141 Water Distribution (Total Units 3.0 - 3.0)
WATR242 Advanced Water Distribution (Total Units 3.0 - 3.0)
**Select one of the following: (Total Units 3.0 - 3.0)**
The following number of Units
WATR138 Water Conservation Practitioner (Total Units 3.0 - 3.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
**Control Number:** None

## Water Equipment Operation and Maintenance, CERT

***Certificate of Proficiency***
**Unit Range for Completion:** 9.0 - 9.0
Students will be introduced to the operation and maintenance of mechanical and electrical equipment associated with the Water and Wastewater industries. Courses in this program will assist students in obtaining related industry certifications from the American Water Works Association and the Water Environment Federation.
**Program Rules:** Water Equipment Operation and Maintenance, CERT (Total Units 9.0 - 9.0)
All of the following
***Certificate Requirements: (Total Units 6.0 - 6.0)***
All of the following
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
WATR145 Backflow Prevention Devices (Total Units 3.0 - 3.0)
**Select one (1) of the following: (Total Units 3.0 - 3.0)**
The following number of Units
WATR143 Electrical Wiring and Controls for Operators (Total Units 3.0 - 3.0)
WATR144 Pumps and Pumping (Total Units 3.0 - 3.0)
WATR153 Collection Systems (Total Units 3.0 - 3.0)
**Control Number:** None

## Water Treatment, AS

***A.S. Degree Major***
**Unit Range for Completion:** 21.0 - 21.0
The Associate of Science degree in Water Treatment is designed to prepare students for careers in the public health field of drinking water treatment. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, conventional water treatment processes, advanced water treatment processes, drinking water disinfection practices, and related water mathematics and hydraulic principles.
**Program Rules:** Water Treatment, AS (Total Units 21.0 - 21.0)
All of the following
***Major requirements: (Total Units 12.0 - 12.0)***
The following number of Units
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR146 Water Treatment Fundamentals (Total Units 3.0 - 3.0)
WATR148 Water Quality (Total Units 3.0 - 3.0)
WATR247 Advanced Water Treatment (Total Units 3.0 - 3.0)
**Select three (3) courses from the following: (Total Units 9.0 - 9.0)**
The following number of Units
WATR136 Introduction to Water Science (Total Units 3.0 - 3.0)
WATR138 Water Conservation Practitioner (Total Units 3.0 - 3.0)
WATR139 Water Reclamation and Reuse (Total Units 3.0 - 3.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
WATR141 Water Distribution (Total Units 3.0 - 3.0)
WATR143 Electrical Wiring and Controls for Operators (Total Units 3.0 - 3.0)
WATR144 Pumps and Pumping (Total Units 3.0 - 3.0)
WATR145 Backflow Prevention Devices (Total Units 3.0 - 3.0)
WATR149 Water Quality Laboratory Analysis (Total Units 3.0 - 3.0)
WATR150 Introduction to Wastewater Treatment (Total Units 3.0 - 3.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)
WATR242 Advanced Water Distribution (Total Units 3.0 - 3.0)
**Control Number:** 19623

## Water Treatment, CA

***Certificate of Achievement***
**Unit Range for Completion:** 21.0 - 21.0
The Certificate of Achievement in Water Treatment is designed to prepare students for careers in the public health field of drinking water treatment. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, conventional water treatment processes, advanced water treatment processes, drinking water disinfection practices, and related water mathematics and hydraulic principles.
**Program Rules:** Water Treatment, CA (Total Units 21.0 - 21.0)
All of the following
***Certificate requirements: (Total Units 12.0 - 12.0)***
The following number of Units
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR146 Water Treatment Fundamentals (Total Units 3.0 - 3.0)
WATR148 Water Quality (Total Units 3.0 - 3.0)
WATR247 Advanced Water Treatment (Total Units 3.0 - 3.0)
**Select three (3) courses from the following: (Total Units 9.0 - 9.0)**

The following number of Units
WATR136 Introduction to Water Science (Total Units 3.0 - 3.0)
WATR138 Water Conservation Practitioner (Total Units 3.0 - 3.0)
WATR139 Water Reclamation and Reuse (Total Units 3.0 - 3.0)
WATR140 Water Utility Maintenance and Construction (Total Units 3.0 - 3.0)
WATR141 Water Distribution (Total Units 3.0 - 3.0)
WATR143 Electrical Wiring and Controls for Operators (Total Units 3.0 - 3.0)
WATR144 Pumps and Pumping (Total Units 3.0 - 3.0)
WATR145 Backflow Prevention Devices (Total Units 3.0 - 3.0)
WATR149 Water Quality Laboratory Analysis (Total Units 3.0 - 3.0)
WATR150 Introduction to Wastewater Treatment (Total Units 3.0 - 3.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)
WATR242 Advanced Water Distribution (Total Units 3.0 - 3.0)

**Control Number:** 19624

## Water Treatment, CERT

***Certificate of Proficiency***

**Unit Range for Completion:** 12.0 - 12.0

The Certificate of Proficiency in Water Treatment is designed to prepare students for careers in the public health field of drinking water treatment. Subjects addressed include water quality and public health regulations, conventional water treatment processes, advanced water treatment processes, drinking water disinfection practices, and related water mathematics and hydraulic principles.

**Program Rules:** Water Treatment, CERT (Total Units 12.0 - 12.0)
All of the following

***Certificate Requirements: (Total Units 12.0 - 12.0)***
All of the following
WATR137 Water Mathematics and Hydraulics (Total Units 3.0 - 3.0)
WATR146 Water Treatment Fundamentals (Total Units 3.0 - 3.0)
WATR247 Advanced Water Treatment (Total Units 3.0 - 3.0)
WATR148 Water Quality (Total Units 3.0 - 3.0)

**Control Number:** None

## Water Utility Management, AS

***A.S. Degree Major***

**Unit Range for Completion:** 21.0 - 21.0

The Associate of Science (A.S.) in Water Utility Management program provides current students and water industry employees with the supervisory, business, human resources, and management skills needed to become the future leaders in water and wastewater organizations. Courses explore general principles of business writing, project management, supervision, as well as specific management issues related to the Water and Wastewater industries. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed also include water quality and public health regulations. A student graduating with an Associate in Science degree in Water Utility Management can potentially transfer to a California State University (CSU) to complete a bachelor's degree. Students will be able to pursue a baccalaureate degree and prepare to pursue a career in the field of water and wastewater supervision and business/management.

**Program Rules:** Water Utility Management, AS (Total Units 21.0 - 21.0)
All of the following

***Major Requirements: (Total Units 6.0 - 6.0)***
The following number of Units
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
WATR156 Water Utility Management (Total Units 3.0 - 3.0)
WATR 156 is a required course. Select between BUS222 or **MGMT122 to complete the required six (6) units. (Total Units 0.0 - 0.0)**

***List A - Requirements (Total Units 9.0 - 9.0)***
The following number of Units
BUS090 Principles of Project Management (Total Units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
MGMT135 Human Resource Management (Total Units 3.0 - 3.0)
PBLC080 Principles of Project Management (Total Units 3.0 - 3.0)
**BUS090 and PBLC080 are considered the same course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

***List B - Electives (Total Units 6.0 - 6.0)***
The following number of Units
BUS121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
MGMT121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
WATR148 Water Quality (Total Units 3.0 - 3.0)
WATR155 California Water Resources (Total Units 3.0 - 3.0)
**BUS121 and MGMT121 are considered the same course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

**Control Number:** 44459

## Water Utility Management, CA

***Certificate of Achievement***

**Unit Range for Completion:** 15.0 - 15.0

The Certificate of Achievement in Water Utility Management program provides current and potential employees with the supervisory, business, and management skills needed to become the future leaders in water and wastewater organizations. Courses explore general principles of business writing, project management, supervision, as well as specific management issues related to the Water and Wastewater industries.

**Program Rules:** Water Utility Management, CA (Total Units 15.0 - 15.0)
All of the following

***Certificate Requirements: (Total Units 6.0 - 6.0)***
The following number of Units
BUS222 Business Writing (Total Units 3.0 - 3.0)
MGMT122 Business Communications (Total Units 3.0 - 3.0)
WATR156 Water Utility Management (Total Units 3.0 - 3.0)
WATR156 is a required course. Select between BUS222 or **MGMT122 to complete the required six (6) units. (Total Units 0.0 - 0.0)**

***List A - Requirements (Total Units 6.0 - 6.0)***
The following number of Units
BUS090 Principles of Project Management (Total Units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (Total Units 3.0 - 3.0)
PBLC080 Principles of Project Management (Total Units 3.0 - 3.0)
**BUS090 and PBLC080 are considered the same course. Credit will be awarded for only one course. (Total Units 0.0 - 0.0)**

***List B - Electives (Total Units 3.0 - 3.0)***
The following number of Units
BUS121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
MGMT121 Human Relations and Organizational Behavior (Total Units 3.0 - 3.0)
MGMT135 Human Resource Management (Total Units 3.0 - 3.0)

**Control Number:** 44436

# CREDIT COURSES



## ACCOUNTING

### ACCT035
**QuickBooks**
**Units:** 2
Preparation of accounting records for businesses using the QuickBooks software in the Windows environment. Topics include customer transactions, vendor transactions, bank reconciliations, reports, company file setup, and customization of QuickBooks.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

### ACCT100
**Accounting for Small Business**
**Units:** 3
Accounting for Small Business is a beginning course in basic accounting as applied to service or merchandising/retail small businesses. Students will learn basic accounting procedures, preparation of financial statements, banking procedures, and payroll processing. Students will complete web-based weekly assignments based on lectures and text readings. This course is recommended for entrepreneurs, CPA candidates, those seeking professional development, and business students needing an accounting foundation before enrolling in ACCT 101.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

### ACCT101
**Financial Accounting**
**Units:** 4
The study of accounting as an information system, examining why it is important, and how it is used by investors and creditors to make decisions. Coverage includes the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. It also includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** None

### ACCT102
**Managerial Accounting**
**Units:** 4
Study of the use and reporting of accounting data for managerial planning, cost control, and decision-making purposes. The course includes broad coverage of concepts, classifications, and behaviors of costs. Topics include cost systems, the analysis and use of cost information, cost-volume-profit analysis, contribution margin, profit planning, standard costs, relevant costs, and capital budgeting.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
ACCT101
Financial Accounting

### ACCT135
**QuickBooks I**
**Units:** 2
This course uses a hands-on approach to focus on the student, making mastery of QuickBooks Online as streamlined and flexible as possible. Topics in this course include customer transactions and accounts receivable, vendor transactions and accounts payable, bank reconciliations, company file setup, chart of accounts setup, and customizing QuickBooks. QuickBooks by Intuit is the #1 selling accounting software that's used by individuals and businesses of all kinds to manage their financials. This course uses QuickBooks Online via the cloud so it can be accessed anytime from a computer/laptop, tablet, or smartphone. This course does not require a software download or local install. It can be used on MAC AND PC, and every student will have free access to the QuickBooks Online software for one year. This QuickBooks course is also helpful to prepare for the QuickBooks Online Certified User (QBOCU) exam or the QuickBooks Online Accountant Certification exam after completing "QuickBooks Online 1" and "QuickBooks Online 2". The QBOCU is an industry-recognized credential that effectively validates one's skills using Intuit QuickBooks accounting software.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:**
Advisory
ACCT100
Accounting for Small Business
**OR**
Advisory
ACCT101
Financial Accounting

### ACCT136
***QuickBooks II***
**Units:** 2
This course uses a hands-on approach to focus on the student, making mastery of QuickBooks Online as streamlined and flexible as possible. Topics in this course include inventory transactions and management, employees and payroll management, creation of accounting reports and financial statements, adjustments, and a comprehensive case using QuickBooks to ensure mastery of all topics in both "QuickBooks Online 1" and "QuickBooks Online 2" courses. The final focus will be on the QuickBooks certification to ensure all students are ready to pass the exam to get certified. QuickBooks by Intuit is the #1 selling accounting software that's used by individuals and businesses of all kinds to manage their financials. This course uses QuickBooks Online via the cloud so it can be accessed anytime from a computer/laptop, tablet, or smartphone. This course does not require a software download or local install. It can

be used on MAC AND PC, and every student will have free access to the QuickBooks Online software for one year. This QuickBooks course is also helpful to prepare for the QuickBooks Online Certified User (QBOCU) exam or the QuickBooks Online Accountant Certification exam after completing "QuickBooks Online 1" and "QuickBooks Online 2". The QBOCU is an industry-recognized credential that effectively validates one's skills using Intuit QuickBooks accounting software.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:**
Prerequisite
ACCT135
QuickBooks I
**OR**
Prerequisite
ACCT035
QuickBooks

# ACCT204

*Managerial Cost Accounting*
**Units:** 3
Presents the theory of cost behavior, cost accounting, and cost control; the use of accounting information for management planning and decision making; cost systems, budgeting, and financial performance analysis.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ACCT102
Managerial Accounting

# ACCT205

Intermediate Accounting I
**Units:** 3
An intermediate study of accounting theory and the conceptual framework; preparation of income statements and comprehensive income, balance sheets and statements of cash flows. Coverage includes present value and accounting concepts related to the asset side of the balance sheet.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ACCT102
Managerial Accounting

# ACCT209

**Excel for Accounting**
**Units:** 3
This course includes a detailed study of accounting using Excel spreadsheet software. Topics include the use of functions and formulas in Excel with emphasis on accounting as a financial analysis tool. Students are expected to have a working knowledge of Windows.
**Transferability:** Transferable to CSU only
**Entrance Skills:** Students are expected to have a working knowledge of Windows operating system.
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ACCT100
Accounting for Small Business
**OR**
Advisory
ACCT101
Financial Accounting

## AMERICAN COLLEGE ENGLISH

# ACE106

Academic Reading and Writing 2
**Units:** 4.5
Students receive intensive practice with strategies to improve their writing skills at the paragraph and short essay levels. They also refine their grammar, vocabulary, reading, and critical thinking skills. Lab is required and is part of the course curriculum.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 36
**Requisites:** None

# ACE116

**Introduction to Academic Composition**
**Units:** 4.5
Advanced students are introduced to common academic writing tasks such as comparing/contrasting and supporting an argument. Students also produce a short research paper. The course emphasizes control of grammar, punctuation, and mechanics within student papers. Students will also strengthen critical reading and vocabulary skills. Laboratory is required and is part of the course curriculum.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 36
**Requisites:**
Prerequisite
ACE106
Academic Reading and Writing 2

## AMERICAN SIGN LANGUAGE

# ASL110

**American Sign Language I**
**Units:** 4
This entry-level course is designed to introduce students to American Sign Language (ASL) and fingerspelling as it is used within American Deaf culture. Instruction includes preparation for visual/gestural communication followed by intensive work on comprehension through receptive language skills, development of basic conversational skills, modeling of grammatical structures, and general information about American Deaf culture. American Sign Language 110 is equivalent to two years of high school ASL. Students are required to attend at least one off-campus event.

**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 18
**Requisites:** None

# ASL111
**American Sign Language II**
**Units:** 4
The second course in the study of American Sign Language (ASL) focuses on increased vocabulary development, intermediate comprehension and conversational skills, application of grammatical structures and practice in the receptive and expressive language aspects of ASL, as well as appreciation of American Deaf culture and history. Students are required to attend at least two off-campus events.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 18
**Requisites:**
Prerequisite
ASL110
American Sign Language I

# ASL113
**Introduction to Interpreting for the Deaf**
**Units:** 3
The study of the history of sign language interpreting and the theoretical foundations and technical skills needed to interpret in professional settings for deaf and hard of hearing children and adults. The roles, responsibilities, and ethics of interpreters providing interpreting services in various professional settings will be examined. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ASL116
**Introduction to Deaf Studies**
**Units:** 3
This is an introductory course exploring the cultural, educational, linguistic, and audiological experiences of people who are deaf, hard of hearing, deaf/blind, and late-deafened in America. Students will be exposed to historical and current perspectives in trends, philosophies, ideologies, and the Deaf community as a subculture of American society. Students may be required to attend at least one off-campus event.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ASL210
**American Sign Language III**
**Units:** 4
The third course in the study of American Sign Language (ASL) emphasizes advanced ASL syntax, non-manual markers, vocabulary, and fingerspelling enabling students to participate in more complex conversations with Deaf community members. The course also emphasizes expressive skills in narrative form. Students are required to attend three off-campus events.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 18
**Requisites:**
Prerequisite
ASL111
American Sign Language II

## ANTHROPOLOGY

# ANTH100
**Introduction to Cultural Anthropology**
**Units:** 3
A cross-cultural survey of the major areas of cultural anthropology including subsistence patterns, economic and political systems, family and kinship, religion, and cultural change. Also includes contemporary issues facing humankind such as the environment, resource depletion, ethnic conflict, globalization, and warfare. Emphasis is on understanding cultural diversity and cultural universals.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ANTH100H
**Honors Introduction to Cultural Anthropology**
**Units:** 3
This is a seminar style course that is enriched beyond that of ANTH 100, Introduction to Cultural Anthropology. This cross cultural survey course will focus on the four major fields of Cultural Anthropology as well as Applied Anthropology. Cultural systems over time will be studied such as religion, subsistence patterns, economics, kinship and cultural change. Globalization will be addressed as well as contemporary issues of the environment, warfare, resource depletion and ethnic conflict. Emphasis will be on critical thinking, understanding cultural diversity and cultural universals.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ANTH101
**Introduction to Physical Anthropology**
**Units:** 3
An introduction to humankinds place in nature, including evolutionary theory, principles of genetics, primate evolution and behavior, fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes practical application of biological anthropology to human problems. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ANTH101L
**Physical Anthropology Laboratory**
**Units:** 1
Laboratory exercises and experiments designed to explore and understand the primary areas of physical anthropology: evolutionary theory, principles of genetics, comparative anatomy, physiology, behavior and ecology of vertebrates with an emphasis on nonhuman primates, analysis of fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes both traditional and virtual laboratory experiences. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:**
Prerequisite
ANTH101
Introduction to Physical Anthropology
or concurrent enrollment

# ANTH103
**Introduction to Archaeology**
**Units:** 3
This is a survey course in world archaeology. Methods of archaeological survey and excavation will be discussed as well as past and current concepts and theories. Material remains such as lithics, bone, ceramics and ecofacts will be discussed as to how they can be interpreted into social, political, economic, religious and ethnic terms. Optional field trips may be offered.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ANTH104
**Language and Culture**
**Units:** 3
General introduction to the processes of human communication. Includes the relationship between language and culture, acquisition of first and second languages, languages in contact, sociolinguistics and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as the basis of study.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## ART

# ART100
**Introduction to Art Concepts**
**Units:** 3
A study of the visual arts in relation to both personal and cultural expressions. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied. Students are required to visit an art museum during the semester. Required for art majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ART100H
**Honors Introduction to Art Concepts**
**Units:** 3
Enriched exposure to a study of the visual arts in relation to personal and cultural expression with an emphasis on critical thinking and writing. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied in a seminar format. Students are required to visit an art museum or gallery.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ART110
**Two-Dimensional Design**
**Units:** 3
Introduction to terminology, historical concepts, and aesthetic techniques associated with two-dimensional art and composition, including the study and application of visual elements and principles of design. Application of concepts will be executed through creative projects. Required for art majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:** 120

# ART111
**Three-Dimensional Design**
**Units:** 3
Fundamentals of visual organization as applied to objects in-the-round. Visual space problems, structure and dimensional terminology through creative projects in various media. Required for art majors. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:** 120

# ART122
**Graphic Design I**
**Units:** 3
Introduction to basic graphic design concepts, techniques, and practices resulting in the production of effective visual communications. Projects combine text with images, using current industry standards in print media, interactive technologies, and other design applications.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 54
**Requisites:**
Advisory
ART110

Two-Dimensional Design
or an understanding of Photoshop and Illustrator software
**OR**
Advisory
ART195
Introduction to Digital Media Arts
or an understanding of Photoshop and Illustrator software

# ART128
**Introduction to Illustration**
**Units:** 3
An introductory course to book illustration, concept art, animation, descriptive rendering, editorial illustration, and fashion drawing. The focus is on developing technical and conceptual expertise. The course examines master works by contemporary and historic artists.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 54
**Requisites:**
Prerequisite
ART130
Introduction to Drawing

# ART129
**Introduction to Web Design**
**Units:** 3
Introduction to the development and design of web sites with an emphasis on the elements and principles of design as they relate to web interfaces. Includes learning the technical requirements for colors, fonts, file optimization, effects, image resolution, and special effects. Includes creative web design projects.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:** 120

# ART130
**Introduction to Drawing**
**Units:** 3
Introductory course in expressive drawing, exploring line, form, composition, and a variety of media. Drawing from man-made objects and natural forms. Field trips may be required. Required for art majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:** 120

# ART131
**Beginning Life Drawing**
**Units:** 3
Introduction to drawing the human form by observing live models for studies in anatomy, structure, and composition. Exposure to traditional and contemporary figurative drawing while exploring media and methods. Required for art majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Advisory
ART130
Introduction to Drawing

# ART141
**Beginning Painting**
**Units:** 3
Introduction to oil and/or acrylic painting as a creative art form with exposure to historical, traditional and contemporary painting styles. Course includes principles of composition and color theory, materials selection, tools, terminology, and techniques. Students develop basic skills painting a variety of subjects. Required of art majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Advisory
ART110
Two-Dimensional Design
**AND**
Advisory
ART130
Introduction to Drawing

# ART149
**Introduction to Digital Photography**
**Units:** 3
An introductory course in digital photography and imaging including basic camera functions, natural and artificial lighting, computer imaging, and image editing techniques. Aesthetics and concepts of digital photography will be analyzed in both fine art and commercial applications. Digital cameras will be provided for students to use during the semester.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:** 120

# ART195
**Introduction to Digital Media Arts**
**Units:** 3
Introduction to digital media arts for artists, photographers, web designers, illustrators, and animators. Includes an overview of Photoshop, Illustrator, InDesign, digital graphics terminology, careers, market applications and design components.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:** 120

# ART221
**Graphic Design II**
**Units:** 3
Intermediate level study of concepts in graphic design to assist the artist/designer in formulating aesthetic and purposeful visual communications from roughs through finished art. Creative development of solutions to problems in common print media and other design applications. Explores the combination of images and text, using hand skills, digital technology, and current graphics industry standards and practices.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None

**Lecture Hours:** 36 **Lab Hours:** 54
**Requisites:**
Prerequisite
ART122
Graphic Design I

# ART228
**Intermediate Illustration**
**Units:** 3
Further development of conceptual and technical expertise in book illustration, concept art, animation, descriptive rendering, editorial illustration, and fashion drawing. The course examines master works by contemporary and historic artists. Emphasis on developing individual creative style.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 54
**Requisites:**
Prerequisite
ART128
Introduction to Illustration

# ART229
**Multimedia Applications for the Web**
**Units:** 3
Introduction to the use of multimedia components, images, typography, motion and audio, for designing websites. Software may include Photoshop, Dreamweaver, SoundEdit 16 and Flash. Projects include conceptualizing, storyboarding, and designing Web page layout. Application of design elements to Web page creation.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:**
Prerequisite
ART129
Introduction to Web Design

# ART230
**Intermediate Drawing**
**Units:** 3
An intermediate course in the study of drawing designed to give students who have completed an introductory drawing course additional opportunity in graphic expression. Further exploration of materials including a wide variety of both drawing and mixed media. Students continue the development of composition and more intermediate concepts. The class emphasizes individual expression. Field trip for en plein air style of drawing may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Prerequisite
ART130
Introduction to Drawing

# ART231
**Intermediate Life Drawing**
**Units:** 3
Continued experience in drawing from the live model with opportunity for development of self-expression. Further exploration of media and techniques. Projects vary each semester.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Prerequisite
ART131
Beginning Life Drawing

# ART232
**Advanced Life Drawing**
**Units:** 3
Intensive study of the figure with further development of drawing skills, composition, technique and media utilizing the live model. Projects vary each semester.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Prerequisite
ART231
Intermediate Life Drawing

# ART233
**Advanced Drawing**
**Units:** 3
To further develop individual graphic expression. Students will plan a series of drawing problems to be executed during the semester under the instructor's direction. A further exploration of new materials and techniques that are in line with creative concepts. Field trip for en plein air style of drawing may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Prerequisite
ART230
Intermediate Drawing

# ART241
**Intermediate Painting**
**Units:** 3
An intermediate level class designed to promote and advance the creative development of those with basic skills in painting. Opportunity for further study of historical and contemporary references and to increase experience with new media, methods and techniques. Emphasis on artistic expression and individual creative problems.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Prerequisite
ART141
Beginning Painting

# ART242
**Advanced Painting**
**Units:** 3
An advanced level studio course providing opportunity for further refinement of painting skills with increasing exposure to contemporary styles. Emphasis on research and individual creative problems in painting. Exploration into a personal mode of expression through development of media, technique and style.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Prerequisite
ART241
Intermediate Painting

# ART249
**Intermediate Digital Photography**
**Units:** 3
An intermediate course in digital photography and imaging that allows students to take the technical information received from Art 149 and apply it to a variety of concepts. This course focuses on projects that explore photographic subjects including portrait, landscape, still life, and commercial photography. Digital cameras will be provided for students to use during the semester.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:**
Prerequisite
ART149
Introduction to Digital Photography

# ART250
**Advanced Studio Concepts**
**Units:** 3
Intensive study in visual arts for majors with studio emphasis. This class offers art majors exposure to contemporary art directions, trends and job markets. Students will be given different studio problems each semester which will help them build a personal portfolio. Intended as a capstone course to be takes after Art 232, Art 233, or Art 242. Field trips are required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 72
**Requisites:**
Prerequisite
ART242
Advanced Painting
**OR**
Prerequisite
ART232
Advanced Life Drawing
**OR**
Prerequisite
ART233
Advanced Drawing

# ARTHC1100
**Survey of Art from Prehistory to the Medieval Era**
**Units:** 3
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.
***Part 2:*** Required for art majors. Students are required to independently visit an art museum. Field trips may also be required.
Former Title: ART 101, Survey of Western Art History I: Prehistory Through the Middle Ages (Fall 2026)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors

# ARTHC1100H
**Survey of Art from Prehistory to the Medieval Era - Honors**
**Units:** 3
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. This is an honors course.
***Part 2:*** Required for art majors. Students are required to independently visit an art museum. Field trips may also be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
Previous or concurrent enrollment
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors
Previous or concurrent enrollment

# ARTHC1200
**Survey of Art from the Renaissance to Contemporary**
**Units:** 3
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.
***Part 2:*** Required for art majors. Students are required to independently visit an art museum. Field trips may also be required.
Former Title: ART102, Survey of Western Art History II: Renaissance Through the Twentieth Century (Fall 2026)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None

**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors

# ARTHC1200H

**Survey of Art from the Renaissance to Contemporary - Honors**
**Units:** 3
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. This is an honors course.
***Part 2:*** Required for art majors. Students are required to independently visit an art museum. Field trips may also be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
Previous or concurrent enrollment
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors
Previous or concurrent enrollment

## ASTRONOMY

# ASTR102

**Introduction to Stars and Galaxies**
**Units:** 3
Surveys the development of astronomy, current research and observations of stars, galaxies and large-scaled structures in the universe. Explores light and gravity to understand the properties and evolution of stars, neutron stars, black holes, galaxies and the universe structures and changes.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ASTR103

**Introduction to the Solar System**
**Units:** 3
Surveys the history of astronomy, recent research and space flight observations of the planets, moons, and other solar system objects. Explores light and gravity to understand formation, properties and motion of Solar System objects.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ASTR104

**Introduction to Cosmology**
**Units:** 3
Principles of astronomy stressing the origin, structure, and evolution of the universe. Discussions to include light, matter, gravity, stellar evolution, cosmology, relativity, the Big Bang Theory, and the expansion of the universe. Former Title: ASTR 112, Introduction to Cosmology (Fall 2023)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ASTRC1001L

**Introduction to Astronomy Lab**
**Units:** 1
***Part 1:***
This laboratory course reinforces fundamental principles and concepts of astronomy by applying the scientific method through experiments, observations, and/or simulations.
***Part 2:***
Formally ASTR 100L: Explores techniques used to study properties of celestial objects and astronomical phenomena. Field trips to local planetaria and/or dark sky locations may be included.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:**
Co-Requisite
ASTR102
Introduction to Stars and Galaxies
***Part 1 & Part 2:***
Completion of or concurrent enrollment in ASTR 102, ASTR 103, and ASTR 104, or other locally approved astronomy lecture course.
**OR**
Co-Requisite
ASTR103
Introduction to the Solar System
***Part 1 & Part 2:***
Completion of or concurrent enrollment in ASTR 102, ASTR 103, and ASTR 104, or other locally approved astronomy lecture course.
**OR**
Co-Requisite
ASTR104
Introduction to Cosmology
***Part 1 & Part 2:***
Completion of or concurrent enrollment in ASTR 102, ASTR 103, and ASTR 104, or other locally approved astronomy lecture course.
**AND**
Prerequisite
None

# BIOLOGY

## APBIOL191
**Biotech A: Basic Lab Skills**
**Units:** 4
Introduction to the fundamental skills necessary for any biotechnology laboratory. Skills include maintenance of an industry standard notebook; preparation and sterilization of solutions, reagents, and media; utilization of good aseptic technique, proper use and maintenance of laboratory equipment, adherence to quality control protocols, and laboratory safety regulations. Previous Title: Biotechnology A: Basic Lab Skills (2017)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

## APBIOL192
**Biotech B: Proteins**
**Units:** 4
Fundamental skills in applied biotechnology necessary for any biotechnology laboratory but particularly focused on downstream manufacturing processes in biomanufacturing. Skills include maintenance of an industry standard notebook, preparation and sterilization of solutions, reagents and media; utilization of good aseptic technique, proper use and maintenance of laboratory equipment, adherence to quality control protocols, lab safety regulations, in vitro translation, large scale expression, purification, modification, western blot analysis, enzyme-linked immunosorbent assay (ELISA), antibody tagging, and fluorescent microscopy. Compliance with industry standards and regulations will be incorporated into course procedures.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
APBIOL191
Biotech A: Basic Lab Skills
**OR**
Prerequisite
BIOL191
Biotech A: Basic Lab Skills

## BIOL060A
**Advanced Studies in Molecular Diagnostics - A**
**Units:** 3.5
Theoretical and technical fundamentals of nucleic acid biochemistry, cell biology, human genetics, and molecular biology as they apply to human disease and diagnostics. Genetic differences between normal and disease states.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** To enroll one student, there must be at least two licensed Lab Technicians present at the training locations. This 1:2 ratio must be maintained in accordance with California Department of Public Health requirements. Therefore, enrollment is dependent on the training sites and the number of trainees they can accommodate.
**Lecture Hours:** 64 **Lab Hours:** 0
**Requisites:** Prerequisite
Concurrent enrollment in the CGMBS training program at Santiago Canyon College.

## BIOL060B
**Advanced Studies in Molecular Diagnostics - B**
**Units:** 3.5
Genetic differences between normal and disease states, molecular aspects of cancer progression, genetic basis of tissue type, theory and analysis of nucleic acid-based diagnostic and infectious disease tests. Quality control and assurance.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** To enroll one student, there must be at least two licensed Lab Technicians present at the training locations. This 1:2 ratio must be maintained in accordance with California Department of Public Health requirements. Therefore, enrollment is dependent on the training sites and the number of trainees they can accommodate.
**Lecture Hours:** 64 **Lab Hours:** 0
**Requisites:** Prerequisite
BIOL060A
Advanced Studies in Molecular Diagnostics - A
**AND**
Prerequisite
Concurrent enrollment in the CGMBS training program at Santiago Canyon College.

## BIOL097
**Introduction to Work Experience**
**Units:** 3
This course introduces work experience through an on-campus, supervised volunteer experience in the biosciences, including an introduction to new or expanded responsibilities. Fifty-four hours of unpaid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

## BIOL111
**Marine Biology**
**Units:** 4
This course covers basic concepts of marine ecosystems including oceanographic principles, ecology, and a survey of marine habitats and diversity of marine organisms. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

## BIOL115
**Concepts in Biology for Educators**
**Units:** 4
An investigation in the basic principles of Biology and Science with content appropriate for future multiple-subject teachers and secondary through high school. The course material is presented within the context of the human experience and includes cell biology, physiology, genetics, evolution, ecology, and the interaction of humans with the environment. The course is taught from an inquiry-based strategy using active learning. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None

**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

# BIOL139

**Health Microbiology**
**Units:** 4
Presents practical and theoretical aspects of medical microbiology to meet the needs of those in allied health professions. Provides basic knowledge of the microbial world by covering diversity, structure, metabolic and genetic characteristics, cultivation and control. Emphasis is placed on human-microbe interactions especially infectious diseases. Laboratory deals with identification, growth, and control of microorganisms. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Advisory
BIOLI09
Fundamentals of Biology
**OR**
Advisory
BIOLI09H
Honors Fundamentals of Biology
**OR**
Advisory
BIOLI49
Human Anatomy and Physiology

# BIOL149

**Human Anatomy and Physiology**
**Units:** 4
Introduces human anatomy and physiology stressing the interrelationships between normal and abnormal structure and function. Laboratory may include the dissection of mammalian tissues. Designed for students in the allied health sciences and as a life science general education course. May not meet requirements for kinesiology or Bachelor of Science in Nursing (BSN) majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

# BIOL177

**Human Genetics**
**Units:** 3
Introductory course in genetics. Topics include the principles of Mendelian genetics, mechanisms of mitosis and meiosis, process of transcription, translation and protein synthesis, non-Mendelian patterns of inheritance, the cell cycle, and cell structure. Discussions relevant to current social concerns about genetics covering topics such as cloning, DNA profiling, genetic engineering, prenatal diagnosis, gene therapy, and genomics.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# BIOL190

**Introduction to Biotechnology**
**Units:** 3
Introduction to the field of biotechnology including a history of its origin and development, a survey of modern industrial applications and accomplishments, ethical considerations, and career paths.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Advisory
Qualifying profile from the mathematics placement process

# BIOL190L

**Introduction to Biotechnology Lab**
**Units:** 1
This laboratory is a general examination of biology as it relates to the field of biotechnology. The laboratory addresses basic skills and techniques common to the biotechnology industry. Topics include the measurement of activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering and antibody methods. The course is intended as a laboratory class for students majoring in applied biology and as a general education laboratory option for all students.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# BIOL191

**Biotech A: Basic Lab Skills**
**Units:** 4
Introduction to the fundamental skills necessary for any biotechnology laboratory. Skills include maintenance of an industry standard notebook; preparation and sterilization of solutions, reagents, and media; utilization of good aseptic technique, proper use and maintenance of laboratory equipment, adherence to quality control protocols, and laboratory safety regulations.
***Previous Title:*** Biotechnology A: Basic Lab Skills (2017)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** Advisory
Qualifying profile from the mathematics placement process

# BIOL192

**Biotech B: Proteins**
**Units:** 4
Fundamental skills in applied biotechnology necessary for any biotechnology laboratory but particularly focused on downstream manufacturing processes in biomanufacturing. Skills include maintenance of an industry standard notebook, preparation and sterilization of solutions, reagents and media; utilization of good aseptic technique, proper use and maintenance of laboratory equipment, adherence to quality control protocols, lab safety regulations, in vitro translation, large scale expression, purification, modification, western blot analysis, enzyme-linked immunosorbent assay (ELISA), antibody tagging, and fluorescent microscopy. Compliance with industry standards and regulations will be incorporated into course procedures.
**Transferability:** Transferable to CSU only

**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
BIOL191
Biotech A: Basic Lab Skills

# BIOL193

**Biotech C: Nucleic Acids**
**Units:** 4
This course introduces the fundamental skills in applied biotechnology focusing on the upstream research and development process. Skills include the maintenance of an industry standard notebook; preparation and sterilization of solutions, reagents, and media; utilization of good aseptic technique; proper use and maintenance of laboratory equipment; adherence to quality control protocols, lab safety regulations; DNA/RNA extraction and purification, bioinformatics, polymerase chain reaction, electrophoresis, DNA sequencing, recombinant DNA technology, DNA cloning, fluorescence in situ hybridization, Southern blot analysis, and in vitro transcription. Compliance with industry standards and regulations will be incorporated into course procedures.
***Previous Title:*** Biotechnology C: Nucleic Acids (2017)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
BIOL191
Biotech A: Basic Lab Skills

# BIOL194

**Quality and Regulatory Compliance in Biosciences**
**Units:** 2
This course will cover quality assurance and regulatory compliance for the biosciences industries. Topics will span quality control and Federal Drug Administration (FDA) regulations for the biotechnology, biopharmaceutical, biomedical device and food industries. Theories and application of quality assurance and quality control will be presented and several different quality systems will be discussed such as GMP (good manufacturing practices), ISO9000 (International Standards Organization), Six Sigma and Lean.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# BIOL196

**Food Safety**
**Units:** 2
This course covers the regulatory agencies that oversee and the methodologies prescribed to ensure a safe food supply. The basics of quality assurance and quality improvement as applied to the food industry as well as The Food Safety Modernization Act, hazard analysis critical control points (HACCP), product traceability, food allergens, and food contaminants including microorganisms are presented. Illnesses known to result from ingestion of contaminated foods are discussed.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:**
Advisory
BIOL139
Health Microbiology
**OR**
Advisory
BIOL229
General Microbiology
**AND**
Advisory
BIOL194
Quality and Regulatory Compliance in Biosciences

# BIOL197

**Science, Technology, Engineering and Mathematics (STEM) Internship**
**Units:** 1-4
This is an Internship of supervised paid or unpaid work experience in the student's major which could include new or expanded responsibilities. 75 hours paid work or 60 hours of unpaid work equals one unit. A maximum of 4 units is allowed per semester. Limitation of 16 units in occupational cooperative education courses. May require field experience. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:** Successful completion of 10 units within the Biotechnology Program
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 60-240
**Requisites:** None

# BIOL202

**Cell Culture Techniques**
**Units:** 2
Students will learn eukaryotic cell culture techniques that include working under aseptic conditions, sterile techniques, media preparation, quantification and passage of cell lines. Laboratory experience prepares students for work in industry.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Prerequisite
BIOL191
Biotech A: Basic Lab Skills

# BIOL211

**Cellular and Molecular Biology**
**Units:** 5
An investigation into the molecular and cellular basis of life, including the evolution of cells, cell structure and function, energy and information flow, cellular reproduction, genetics, and the molecular basis of inheritance. Required of majors in Biology, Medicine, Forestry, and Agriculture.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 108
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the

mathematics placement process.
**AND**
Advisory
Eligible for ENGLC1000 or ENGLC1000H
**AND**
Advisory
CHEM200A
General Chemistry A
**AND**
Advisory
CHEM200AH
Honors General Chemistry A

# BIOL213

**Animal Diversity and Evolution**
**Units:** 4
This course is intended for biology majors and surveys the diversity, structure, function, evolution, and taxonomy of the major animal phyla. Topics also include behavior, development, comparative anatomy, and evolutionary relationships, emphasizing the principles and mechanisms of microevolution and macroevolution, accentuating molecular and morphological phylogeny. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** Prerequisite
Qualifying profile form the mathematics placement process.
**AND**
Advisory
BIOL211
Cellular and Molecular Biology
**AND**
Advisory
Eligible for ENGL 100 or ENGL 101/101H

# BIOL215

**Plant Diversity and Ecology**
**Units:** 4
This course is intended for biology majors and surveys the diversity, structure, function, and taxonomy of prokaryotes and the eukaryote kingdoms of Protista, Fungi, and Plantae. Topics include development, morphology, physiology, taxonomy and systematics, and population, community, and ecosystem ecology principles. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** Prerequisite
Qualifying from the mathematics placement process.
**AND**
Advisory
BIOL211
Cellular and Molecular Biology

# BIOL229

**General Microbiology**
**Units:** 5
Introduction to microorganisms, their classification, structure, biochemistry, growth, control and their interactions with other organisms and the environment. Designed for biology, preprofessional, and prenursing (BSN) majors. This course may also include an optional field trip.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 108
**Requisites:**
Prerequisite
BIOL109
Fundamentals of Biology
**AND**
Prerequisite
BIOL109L
Fundamentals of Biology Laboratory
**OR**
Prerequisite
BIOL109H
Honors Fundamentals of Biology
**AND**
Prerequisite
BIOL109HL
Honors Fundamentals of Biology Laboratory
**OR**
Prerequisite
BIOL139
Health Microbiology
**OR**
Prerequisite
BIOL149
Human Anatomy and Physiology
**OR**
Prerequisite
BIOL211
Cellular and Molecular Biology
**OR**
Prerequisite
BIOL239
General Human Anatomy
**OR**
Prerequisite
BIOL249
Human Physiology
**OR**
Prerequisite
CHEM100
Introductory Chemistry

# BIOL239

**General Human Anatomy**
**Units:** 4
Structure of the human body. Systems, organs, and tissues are studied from human skeletons, models, charts, slides, and computer programs. Laboratory includes the dissection of a cat and periodic demonstrations of a prosected cadaver as available.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

# BIOL241
**Organismal Biology**
**Units:** 4
This course is intended for biology majors and surveys the diversity, structure, function, evolution, taxonomy, and ecology of organisms. Topics include development, comparative anatomy, physiology, taxonomy, systematics, evolutionary relationships (through the principles and mechanisms of microevolution and macroevolution), and the principles of population, community, and ecosystem ecology. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** Prerequisite
College-level math or any other course with Intermediate Algebra as a prerequisite.
**AND**
Advisory
BIOL211
Cellular and Molecular Biology
**OR**
Advisory
ENGLC1000
Academic Reading and Writing
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors

# BIOL249
**Human Physiology**
**Units:** 4
Microscopic, macroscopic and dynamic view of the human physiological processes. The lecture portion includes a thorough consideration of both cell and systems” physiology. Laboratory work includes the use of techniques used in basic research, an introduction to the use of standard medical equipment, and the performance of medical lab tests. Non-invasive experiments are performed on students enrolled in the class.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
BIOL239
General Human Anatomy

# BIOL259
**Environmental Biology**
**Units:** 4
Environmental Biology includes the study of ecosystems, population dynamics, classification, diversity of plant and animal species, effects of pollutants at both the cellular and organismal levels, and principles of ecology. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

# BIOL290
**Biochemistry and Molecular Biology**
**Units:** 5
Introduction to biochemistry and molecular biology. Included are discussions of biological macromolecules, energy production, metabolic pathways and regulation, genetic code, genomics, DNA replication, transcription and RNA processing, translation, and gene regulation. Laboratory activities will include use of visible and UV spectroscopy, chromatography, cell fractionation, ultracentrifugation, protein purification, electrophoresis, and recombinant DNA methods. This course is designed for biology majors, health pre-professionals, and biotechnology majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 108
**Requisites:**
Prerequisite
BIOL211
Cellular and Molecular Biology
**AND**
Prerequisite
CHEM100
Introductory Chemistry

# BIOLC1001
**Introduction to Biology**
**Units:** 3
This lecture course provides the non-biology major with an introduction to living things and their environment. Students develop important critical thinking skills as they learn about the process of science, the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and how species interact with each other and their surroundings. By the end of the course, students will be able to apply an understanding of biological concepts to current issues and their impacts on society.
***Part 2:*** Formerly Biol-109 Fundamentals of Biology
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
BIOLC1001L
Introduction to Biology Lab
**Part 2**:
or concurrent enrollment
**OR**
Advisory
BIOLC1001LH
Introduction to Biology Lab - Honors
**Part 2:**
or concurrent enrollment

# BIOLC1001H
**Introduction to Biology - Honors**
**Units:** 3
This lecture course provides the non-biology major with an introduction to living things and their environment. Students develop important critical thinking skills as they learn about the process of science, the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and

how species interact with each other and their surroundings. By the end of the course, students will be able to apply an understanding of biological concepts to current issues and their impacts on society. This is an honors course.
***Part 2:*** Formerly BIOL109H Honors Fundamentals of Biology
Field Trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
BIOLC1001L
Introduction to Biology Lab
**Part 2:**
Concurrent Enrollment
**OR**
Advisory
BIOLC1001LH
Introduction to Biology Lab - Honors
Part 2:ion, Local College Discretion):
Concurrent Enrollment

# BIOLC1001L

**Introduction to Biology Lab**
**Units:** 1
This laboratory course provides the hands-on application of concepts learned in the Introduction to Biology lecture (BIOL C1001) for the non-biology major. Students use experimentation and investigation to develop important critical thinking skills. Students engage in the process of science to explore the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and how species interact with each other and their surroundings. By the end of the course, students will be familiar with some of the equipment and techniques used by biologists.
***Pat 2:*** Formerly BIOL-109L Fundamentals of Biology Laboratory; Field Trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:**
Co-Requisite
BIOLC1001
Introduction to Biology
Completion of or concurrent enrollment
**OR**
Co-Requisite
BIOLC1001H
Introduction to Biology - Honors
Completion of or concurrent enrollment

# BIOLC1001LH

**Introduction to Biology Lab - Honors**
**Units:** 1
***Part 1 (Identical and Required):***
This laboratory course provides the hands-on application of concepts learned in the Introduction to Biology lecture (BIOL C1001) for the non-biology major. Students use experimentation and investigation to develop important critical thinking skills. Students engage in the process of science to explore the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and how species interact with each other and their surroundings. By the end of the course, students will be familiar with some of the equipment and techniques used by biologists. This is an honors course.
***Part 2:***
Formerly BiIOL-109HLHonors Fundamentals of Biology Laboratory
Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:**
Co-Requisite
BIOLC1001
Introduction to Biology
or concurrent enrollment
**OR**
Co-Requisite
BIOLC1001H
Introduction to Biology - Honors
or concurrent enrollment
**AND**
Prerequisite
None

# BUSINESS

# BUS090

**Principles of Project Management**
**Units:** 3
Utilizing project planning tools and techniques, learn how to define, plan, execute, and deliver projects of all types and sizes. Emphasizes practical application using case studies to organize, schedule, and manage projects effectively. Industry guest speakers included.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
PBLC080
Introduction to Project Management

# BUS100

**Fundamentals of Business**
**Units:** 3
An introduction to the basic fundamentals of business. A survey of marketing management, production, accounting, finance, and economics and how they interrelate in the business environment.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# BUS103
**Work Experience Education - Occupational**
**Units:** 1-4
This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 work equals one unit of course credit. Units may be awarded in increments of 0.5. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience education. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54-216
**Requisites:** None

# BUS105
**Legal Environment of Business**
**Units:** 3
Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# BUS120
**Principles of Management**
**Units:** 3
Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling, and the application of managerial skills.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
MGMT120
Principles of Management

# BUS121
**Human Relations and Organizational Behavior**
**Units:** 3
The role of the manager and management's relationship to employees. Includes the application of motivational theories, communications, leadership, and organizational structure.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
MGMT121
Human Relations and Organizational Behavior

# BUS127
**Introduction to E-Commerce**
**Units:** 3
Electronic commerce from a managerial perspective focusing on the retailing, business-to-business and service industries. Topics include: E-Commerce infrastructure, intranets and extranets, electronic payment systems, marketing research, advertising, E-Commerce strategies, and privacy issues.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# BUS130
**Personal Finance**
**Units:** 3
This course is designed to empower individuals with various tools to manage their money and make sound lifelong financial decisions. Topics include financial planning, income and expense management, investment analysis, retirement planning, consumerism, insurance, estate planning, home ownership and credit management. This course uses financial, tax, and mathematical calculations. Students will take a hands-on approach to such learning and skill development with problem-solving assignments and projects that require them to explain information presented in tax forms and financial statements. They will also obtain the knowledge and skills required to convert financial information into portrayals that contribute to an understanding of present and future personal and family financial needs. Students will also be provided with opportunities to analyze and synthesize on documents and reports. They will develop the logical reasoning skills needed by informed and productive citizens. Moreover, instructors will (a) provide student-centered activity-based instruction, (b) emphasize the conceptual understanding and skills of mathematics and quantitative reasoning, and (c) facilitate the development of competence and confidence in problem-solving abilities.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# BUS150
**Introduction to Information Systems and Applications**
**Units:** 3
Introduction to computer concepts and management information systems. Application software used to solve business problems.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# BUS170
**Principles of Small Business Management**
**Units:** 3
Practical business skills needed to start and operate a small business. Includes information on risk management, site location, legal aspects, financing, budgeting, merchandising, promotion, and management techniques.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# BUS171
**Business Plan for Small Business**
**Units:** 3
Business planning for the opening or continued successful operation of a small business through the preparation of a written business plan.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
BUS170
Principles of Small Business Management
Concurrent enrollment

# BUS175
**Entrepreneurship**
**Units:** 3
This class is designed to help potential online entrepreneurs develop startup procedures, explore ideas and implement plans. Students will learn how to build and implement a business strategy for the Internet, including business specific considerations, online marketing and Ecommerce strategies.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# BUS222
**Business Writing**
**Units:** 3
Overview of oral and written communication skills used in business; emphasizes guidelines for improving writing and speaking skills, common solutions to common communication problems, ethical issues facing business communicators today, instructions on how to identify areas of legal vulnerability, and tested techniques for communicating successfully in todays high-tech, international business environment. Designed for students transferring to a university.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

## CHEMISTRY

# CHEM100
**Introductory Chemistry**
**Units:** 4
This course prepares students for Biology and Chemistry 200 by exploring the basic concepts of matter such as: atomic structure, formulas, equation writing, nomenclature, gases, and kinetic theory. Properties of solutions and the mole concept in quantitative chemistry will be emphasized.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# CHEM200A
**General Chemistry A**
**Units:** 5
This is the first semester of a year-long sequence covering the fundamental principles and concepts of chemistry and is intended for students studying physical science, life science, and engineering. The topics are to include, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium. This course is a requirement to earn a degree in the physical science, life science, and engineering majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 108
**Requisites:**
Prerequisite
CHEM100
Introductory Chemistry
Or Passing Score on the Chemistry Placement Test
**AND**
Prerequisite
Completion of any Mathematics course at the Intermediate Algebra level or above with a grade of "C" or better OR qualifying profile from the mathematics placement process

# CHEM200AH
**Honors General Chemistry A**
**Units:** 5
An in-depth Honors study of the fundamental principles and concepts of chemistry. This course is intended for students studying physical science, life science, and engineering. The topics are to include, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium. This course is a requirement to earn a degree in the physical science, life science, and engineering majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 108
**Requisites:**
Prerequisite
CHEM100
Introductory Chemistry
Or Passing Score on the Chemistry Placement Test
**AND**
Prerequisite
Completion of any Mathematics course at the Intermediate Algebra level or above with a grade of "C" or better OR qualifying profile from the mathematics placement process

# CHEM200B
**General Chemistry B**
**Units:** 5
Continuation of Chemistry 200A, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 108
**Requisites:**
Prerequisite
CHEM200A
General Chemistry A
**OR**
Prerequisite
CHEM200AH
Honors General Chemistry A

# CHEM280A
**Organic Chemistry A**
**Units:** 5
This course is the first semester of a year of organic chemistry. This course will cover structure and bonding, nomenclature, descriptive chemistry, reaction mechanisms, synthetic methods and IR spectroscopy for different functional groups including alkanes, alkenes, alkynes, alkyl halides, alcohols, and ethers. Laboratory will include separations/purifications identification, and simple syntheses.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 108
**Requisites:**
Prerequisite
CHEM200B
General Chemistry B

# CHEM280B
**Organic Chemistry B**
**Units:** 5
This course is the second semester of a year of organic chemistry (continuation of Chemistry 280A). It includes units on structure elucidation, aromatic compounds, carbonyl compounds, carboxylic acids and their derivatives, amines, and classes of biologically important compounds. More complex synthetic routes are explored. Laboratory work includes multi-step syntheses and unknown identification. Reaction mechanisms and use of spectroscopic techniques continue to be emphasized. This course is intended for science majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 108
**Requisites:**
Prerequisite
CHEM280A
Organic Chemistry A

# CHILD DEVELOPMENT

# CDEV108
**Observation and Assessment for Early Learning and Development (DS3)**
**Units:** 3
Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV107
Child Growth and Development (DS1) or concurrent enrollment

# CDEV108B
**Observation and Assessment in Transitional Kindergarten and Kindergarten**
**Units:** 3
This course is designed for those working with students in transitional kindergarten, kindergarten, and early primary classrooms emphasizing the appropriate use of assessment to support school-age child development and learning. Covers various methods of observation and data collection including tools, strategies, time management, and legal and ethical responsibilities. Highlights the use of research to provide the basis for family partnerships and to plan differentiated instruction and classroom environments. Field trips and fieldwork assignments may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV107
Child Growth and Development (DS1)
**AND**
Prerequisite
CDEV110
Child, Family and Community (DS2)

# CDEV110
**Child, Family and Community (DS2)**
**Units:** 3
This course examines processes of socialization focusing on the interrelationship of family, school, and community and the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting childrens development. Field trips and field-based assignments may be required. No credit for students who have taken Apprenticeship Child Development 110.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None

**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Anti-Requisite
APCD 110, Child, Family and Community (DS2)

# CDEV111A

**Principles and Practices of Teaching Young Children**
**Units:** 3
An examination of the historical context and theoretical perspectives of developmentally appropriate practices in early care and education. Examines the role of the early childhood educator, identifying best practices for environmental design, curriculum, and teaching strategies. Explores teacher-child relationships, professional ethics, career pathways, and professional standards. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Co-Requisite
CDEV111B
Introduction to Curriculum for Young Children
**AND**
Advisory
CDEVC1000
Child Growth and Development

# CDEV111B

**Introduction to Curriculum for Young Children**
**Units:** 3
Developmentally appropriate curriculum and environments for children birth through age eight. Students will use knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice to plan environments and curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV111A
Principles and Practices of Teaching Young Children

# CDEV112

**Health, Safety and Nutrition for Children**
**Units:** 3
Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher's role in prevention strategies, nutrition and meal planning, integrating health, safety, and nutrition experiences into daily routines, and overall risk management. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV107
Child Growth and Development (DS1)
**AND**
Advisory
CDEV110
Child, Family and Community (DS2)

# CDEV116A

**Infant/Toddler Growth and Development (DS4)**
**Units:** 3
A study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. Partially fulfills the requirements for state licensing. With Child Development 116B, this class fulfills infant/toddler specialization for Child Development Center permits. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV107
Child Growth and Development (DS1)
**AND**
Prerequisite
CDEV108
Observation and Assessment for Early Learning and Development (DS3)

# CDEV116B

**Care and Education for Infants and Toddlers (DS3)**
**Units:** 3
Applies current theory and research to the care and education of infants and toddlers in group settings. Examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. This class partially fulfills the requirements for state licensing. With Child Development 116A, this course fulfills infant/toddler specialization for Child Development Center permit. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV107
Child Growth and Development (DS1)
**AND**
Prerequisite
CDEV108
Observation and Assessment for Early Learning and Development (DS3)

**AND**
Prerequisite
CDEV116A
Infant/Toddler Growth and Development (DS4)
Previous or concurrent enrollment

# CDEV123A

**Preschool and Early Primary Development (TK) (DS5)**
**Units:** 3
This course examines the theories and developmental processes focusing on children 3-8 emphasizing the interactions between maturational processes and environmental factors influencing development in the physical, cognitive, social, emotional, and language domains. Examines CA Learning Foundations Physical development guidelines including movement skills and concepts and perceptual-motor skills and active physical play. Fulfills partial requirements for the School-Age Child Development Permit. Fieldwork assignments may be included. This course is designed for teaching professionals working in prekindergarten, transitional kindergarten, and early education classrooms. Fieldwork may be required.
***Former Title (2022):*** Child Development 120A - Development of the School-Age Child (DS5)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV107
Child Growth and Development (DS1)
**AND**
Advisory
CDEV110
Child, Family and Community (DS2)

# CDEV123B

**Transitional Kindergarten and Early Primary Teaching, Principle and Practices (DS5)**
**Units:** 3
Examines theories of development and the developmental processes focusing on children ages 3-6. Developmental benchmarks in the physical, cognitive, social, emotional, and language domains are identified as well as the multiple
influences that impact children's development. This course is designed for those working with students in transitional kindergarten, kindergarten, and early education classrooms.
**Former Title (2022):** Child Development120B - School-Age Child Care and Recreation Activities (DS5)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV123A
Preschool and Early Primary Development (TK) (DS5)
Previous or concurrent enrollment

# CDEV201

**Technology and Media in Early Learning Environments**
**Units:** 3
This course provides students knowledge about and experience with technological tools used in early childhood settings. Students will have the opportunity to evaluate the impact of technology as it relates to growth and development of children and developmentally appropriate practices. Emphasis will be on basic knowledge and practice in a wide variety of current and emerging technologies and how to integrate them into the learning environment. Field trips and fieldwork assignments may be required. By the third week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.
***Former title (2022):*** Child Development 200, Introduction to Technology in Early Childhood Education
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CDEV202

**Introduction to Children from Special Populations**
**Units:** 3
Introduces the variations in the development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs and inclusion, and the identification and referral process. Field trips and field-based assignments may be required.
***Former Title***: CDEV 205, Introduction to Children with Special Needs (2022)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEVC1000
Child Growth and Development

# CDEV203

**Curriculum and Intervention Strategies for Special Populations**
**Units:** 3
Covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, as well as collaboration with interdisciplinary teams, and cultural competence. Field trips may be required.
***Former Title:*** CDEV 206, Curriculum and Intervention Strategies for Children with Special Needs (2022)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV202
Introduction to Children from Special Populations
**AND**

Advisory
CDEV107
Child Growth and Development (DS1)
**AND**
Advisory
CDEV110
Child, Family and Community (DS2)

# CDEV204

**Education and Collaboration of Care for Special Populations**
**Units:** 3
This course will provide teachers, intervention assistants, administrators, and parents the tools necessary to support and empower families of children with disabilities and other special needs in early childhood and school-age programs. Techniques, strategies, and resources will be provided to support children in a natural and/or inclusive educational setting and to help guide parents to be advocates for their children. Field trips may be required. Vaccinations as mandated by state statutes are required.
***Former Title (2022):*** Child Development 207 - Supporting and Empowering Families of Children with Special Needs
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV202
Introduction to Children from Special Populations

# CDEV212A

**Language and Literacy Development in Early Childhood**
**Units:** 3
Introduction to the language and literacy development domain in the California Preschool Learning Foundations and Frameworks including the strands of listening, speaking, reading, and writing. Provides practical considerations for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early-primary teachers.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV107
Child Growth and Development (DS1)
**AND**
Advisory
CDEV110
Child, Family and Community (DS2)

# CDEV212B

**Teaching Strategies, Materials, and Assessments for Language Development**
**Units:** 3
A practical course that provides opportunities for students to develop strategies, hands-on materials, curriculum, and assessments for language development. Emphasis on materials, activities, and assessment tools that support language development for children from birth through age 8 using the CA Learning Foundations and Frameworks. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers. CDEV 212A must be completed before 212B. Field trips and fieldwork assignments may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV212A
Language and Literacy Development in Early Childhood

# CDEV213

**English and Multi-Language Learners in Early Childhood Education**
**Units:** 3
Introduction to the English Language Learners domain of the California Preschool Learning Foundations and California Curriculum Framework including the strands of listening, speaking, reading, and writing. Provides practical strategies for implementing the Curriculum Framework for English and Multi-Language Learners. Applicable to required or professional development units for Child Development Permit holders, Preschool Permit holders, Preschool Transitional Kindergarten, and early primary teachers. Field trips and/or fieldwork assignments may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV212A
Language and Literacy Development in Early Childhood
**AND**
Advisory
CDEV212B
Teaching Strategies, Materials, and Assessments for Language Development

# CDEV215

**Administration I: Programs in Early Childhood Education (DS6)**
**Units:** 3
Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Advisory
Twelve (12) units in early childhood education

# CDEV216

**Administration II: Personnel and Leadership in Early Childhood Education (DS6)**
**Units:** 3
This course acquaints students with effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV215
Administration I: Programs in Early Childhood Education (DS6)
**AND**
Advisory
Twelve (12) units in early childhood education

# CDEV217

**Creative Music and Performing Arts for Early Learners**
**Units:** 3
Introduction to the performing arts domain of the California Preschool Learning Foundations and Frameworks including strands of music, drama, and dance. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Explores musical expression through songs and ballads, the elements of music, and diverse types of instruments as used in the early childhood curriculum. Includes the study of musical growth and development in young children and the use of music as a classroom management tool. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers. Field trips and fieldwork assignments may be required. By the third week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CDEV218

**Visual Art Experiences for Early Learning Environments**
**Units:** 3
This course examines how visual arts foster creativity, communication, and holistic development in children from birth through third grade. Through hands-on engagement with diverse materials and techniques, students learn to design inclusive and culturally responsive art experiences that reflect the identities of children, families, and communities. The course emphasizes the adults role in cultivating intentional environments that support self-expression, belonging, and developmental growth. Students engage with observational assessment tools to document and analyze childrens learning across developmental domains. Reflective practice is integrated throughout to deepen understanding of theory-to-practice connections and enhance each students growth as a responsive, equity-minded educator. Practical experiences in early education settings may be required. Verification of the state-mandated Tdap vaccination, MMR immunization, and a negative TB test may be necessary for participation.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CDEV221

**Living and Teaching in a Diverse Society**
**Units:** 3
Examines the impact of various societal influences on the development of childrens social identity. Covers developmentally appropriate, inclusive, and anti-bias approaches. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be emphasized. Field trips and field-based assignments may be required. No credit for students who have taken Apprenticeship Child Development 221.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Anti-Requisite
Apprenticeship Child Development 221

# CDEV222

**Trauma-Informed Teaching and Care in Early Childhood Settings**
**Units:** 3
Specific emphasis on the experience of trauma and the effects on life-long development. Develop classroom strategies to promote resilience and well-being, including self-care for professionals. Fieldwork and field trips may be required.
***Former Title (2022):*** Child Development 220 - The Child As Victim
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV107
Child Growth and Development (DS1)
**AND**
Advisory
CDEV110
Child, Family and Community (DS2)

# CDEV229

**Brain Development and Learning**
**Units:** 3
This class explores the development of the brain for children from birth through adolescence, and how behavior and learning are affected. Brain-based learning strategies will be used to teach new ways of approaching learning including how to understand diverse learning styles. This course is designed for educators, parents, and students who are interested in knowing more about how the brain operates and how the environment affects the brain. Field trips and fieldwork assignments may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV107

Child Growth and Development (DS1) - This course is now CDEVC1000
**AND**
Advisory
CDEV110
Child, Family and Community (DS2)

# CDEV233

**Brain-Compatible Guidance and Behavior Management in Early Learning Environments**
**Units:** 3
Appropriate for classroom teachers in various settings, students will identify developmentally appropriate behaviors, challenging behaviors and the various influences that effect children's behavior. Students will analyze children's behaviors and select strategies to make positive changes. Emphasizes the connection between children's social and emotional development and their success in the classroom, and how the teachers' perceptions, experiences, and behavior influence child behaviors. May require field experience.
***Former Title:*** CDEV 230, Child Guidance and Classroom Management (2021)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CDEV107
Child Growth and Development (DS1)
**AND**
Advisory
CDEV110
Child, Family and Community (DS2)
**AND**
Advisory
CDEV202
Introduction to Children from Special Populations

# CDEV234

**Brain-Compatible Guidance and Classroom Management for Social-Emotional Development through the Primary Years**
**Units:** 3
Introduction to the social and emotional development domain of the California Preschool Learning Foundations and Frameworks including the strands of self, social interaction, and relationships. Using current cognitive research, provide practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers. Field trips and fieldwork assignments may be required.
***Former Title:*** CDEV 234, Brain-Compatible Guidance and Classroom Management for Early Learning Setting (2021).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CDEV236

**Engineering, Math, and Science Strategies for Primary Learning Environments**
**Units:** 3
This course introduces the science and mathematics domains of the California Preschool Learning Foundations and Frameworks and Engineering concepts. Includes the strands of science, math, and engineering. Provides practical strategies for implementing the curriculum frameworks developed for these domains. Applicable to the required or professional development units for the Child Development Permit holders, pre-school, transitional kindergarten, and, professional development for Early Primary teachers. Field trips and field assignments may be required. Fieldwork may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CDEV260

**Adult Supervision and Mentoring in Early Learning and Education Programs**
**Units:** 3
Methods and principles of supervising student teachers, volunteers, staff, and other adults in early learning and education settings. Emphasis is on the roles and development of early learning professionals as mentors and leaders. Field trips and field-based assignments may be required.
***Former Title:*** CDEV 250, Adult Supervision and Mentoring in Early Care and Education Programs (Fall 2022)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV111B
Introduction to Curriculum for Young Children
**OR**
Prerequisite
CDEV116B
Care and Education for Infants and Toddlers (DS3)
**OR**
Prerequisite
CDEV123B
Transitional Kindergarten and Early Primary Teaching, Principle and Practices (DS5)

# CDEV297

**Reflective Practice - Analyzing and Applying Teacher Strategies in the Classroom Reflective Practice**
**Units:** 3
This course is designed for teachers working in early childhood or transitional kindergarten settings. Students will examine their teaching philosophy and engage in the reflective practice cycle process. Students will use a variety of instructional strategies, including purposeful play, to assess and support children's learning and development. This course is intended to be a capstone course. Field trips and fieldwork assignments may be required. By the third week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.
***Former Title:*** CDEV 297, Analyzing and Applying Teacher Strategies in the Classroom (2022)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CDEV111B
Introduction to Curriculum for Young Children

**OR**
Prerequisite
CDEV116B
Care and Education for Infants and Toddlers (DS3)
**OR**
Prerequisite
CDEV123B
Transitional Kindergarten and Early Primary Teaching, Principle and Practices (DS5)

# CDEV298

**Practicum - Student Teaching Experience**
**Units:** 4
With the guidance of CDEV faculty and other qualified early education professionals, students demonstrate competencies in developmentally appropriate early childhood program planning and teaching. Through hands-on classroom experiences, they connect theory with practice, build Professional educator behaviors, and deepen their understanding of children and families. Reflective practice remains a key focus as student teachers design, implement, and assess strategies that foster development and learning. Career exploration, professional growth, and teacher responsibilities are also integrated into the program. To ensure practical application, students must complete a minimum of 108 hours in an early childhood lab school or an approved mentor site. A negative TB test and state-mandated immunizations are required for participation in the program. Field Trips may be required.
***Former Title:*** CDEV 298A, Practicum in Early Childhood Programs (Fall 2025)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 108
**Requisites:**
Prerequisite
CDEV111B
Introduction to Curriculum for Young Children
**AND**
Prerequisite
CDEV108
Observation and Assessment for Early Learning and Development (DS3)

# CDEV298B

**Practicum in Infant/Toddler Programs**
**Units:** 3.5
Under guided supervision in a Rancho Santiago Community College District (RSCCD) Child Development Center or approved mentor site, students will demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. Fieldwork and state-required immunizations are required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 81
**Requisites:**
Prerequisite
CDEV110
Child, Family and Community (DS2)
**AND**
Prerequisite
CDEV112
Health, Safety and Nutrition for Children
**AND**
Prerequisite
CDEV116B
Care and Education for Infants and Toddlers (DS3)
**AND**
Prerequisite
CDEV221
Living and Teaching in a Diverse Society

# CDEV298C

**Practicum in Transitional Kindergarten**
**Units:** 3.5
Designed for students at the end of their Transitional Kindergarten certificate program, student teachers will participate supervised practice in a Transitional kindergarten classroom demonstrating developmentally appropriate teaching competencies, making connections between theory and practice and professional teaching behaviors, relationships with children and families, play-based approaches to teaching, learning, and assessment, knowledge of curriculum content areas will be emphasized as students design, implement, and evaluate experiences. Field-based assignments are required. Completion of state-mandated immunizations and negative TB test are required for certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 81
**Requisites:**
Prerequisite
CDEV108B
Observation and Assessment in Transitional Kindergarten and Kindergarten
**AND**
Prerequisite
CDEV123A
Preschool and Early Primary Development (TK) (DS5)
**AND**
Prerequisite
CDEV123B
Transitional Kindergarten and Early Primary Teaching, Principle and Practices (DS5)

# CDEV299

**Work Experience - Child Development**
**Units:** 1-4
This work experience course of supervised employment is designed to assist students to acquire career awareness and work habits in early childhood, K-12, and afterschool programs. 54 hours of work equals one unit of course credit. Course may be repeated up to the maximum unit allowed per Title 5, Section 55253. Field trips may be required. Students may earn a maximum of 14 units of credit for work experience. Open Entry/Open Exit
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54-216
**Requisites:** None

# CDEVC1000
**Child Growth and Development**
**Units:** 3
Students examine the progression of development in the physical, cognitive, social, and emotional domains and identify developmental milestones for children from conception through adolescence. Emphasis is on interactions between biological processes, environmental, and cultural factors. Students may engage in various methods of observing childrens development to evaluate individual differences and analyze development characteristics at various stages, according to developmental theories.
***Part 2:***
Field-based assignments may be required. No credit for students who have taken Apprenticeship Child Development 107 or Psychology 157, or Child Development C1000H (Honors).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
PSYC157
Introduction to Child Psychology
**AND**
Anti-Requisite
APCD107
Apprenticeship Child Growth and Development (DS1)
**AND**
Anti-Requisite
CDEVC1000H
Child Growth and Development - Honors

# CDEVC1000H
**Child Growth and Development - Honors**
**Units:** 3
Students examine the progression of development in the physical, cognitive, social, and emotional domains and identify developmental milestones for children from conception through adolescence. Emphasis is on interactions between biological processes, environmental, and cultural factors. Students may engage in various methods of observing childrens development to evaluate individual differences and analyze development characteristics at various stages according to developmental theories. This is an honors course.
***Part 2:***
Field trips may be required. No credit for students who have taken Apprenticeship Child Development 107 or Psychology 157, or Child Development C1000.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
PSYC157
Introduction to Child Psychology
***AND***
Anti-Requisite
CDEVC1000
Child Growth and Development
**AND**
Anti-Requisite
APCD107
Apprenticeship Child Growth and Development (DS1)

## CHINESE

# CHNS101
**Elementary Chinese I**
**Units:** 5
Practice and integration of pronunciation, grammar, vocabulary, and common idioms through listening, speaking, reading, and writing to begin to express thoughts orally and in writing. The class will also introduce students to cultural, social, and linguistic items appropriate to Chinese-speaking societies. Chinese 101 is equivalent to two years of high school Chinese.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:** None

# CHNS102
**Elementary Chinese II**
**Units:** 5
Continuation of Chinese I which furthers training in language skills providing avenues for the expression of ideas in both oral and written forms and provides enhanced study of cultural and socio-linguistic knowledge aspects appropriate to Chinese-speaking societies. Chinese 102 is equivalent to the third year of high school Chinese.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
CHNS101
Elementary Chinese I
or two years of high school Chinese with a grade of C or better

## CINEMA STUDIES

# CINE103
**History of Film to 1945**
**Units:** 3
A survey course exploring film as an art form and developing an appreciation of historical, artistic and technical advances from the 1890s to 1945. Former Title: TV/Video Communications 103, History of Film to 1945 (2018)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CINE104
**History of Film From 1945 to Present**
**Units:** 3
A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances. Previous Title: TV/Video Communications 104, History of Film From 1945 to Present (2018)
**Transferability:** Transferable to both UC and CSU

**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CINE105
**Mass Media and Society**
**Units:** 3
Exploration of the history, effects, and role of mass media in U.S. society. Examines major media forms (TV, radio, film, newspapers, magazines, ads, internet) in our information-conscious culture. Field trips may be required. Previous Title: TV/Video Communications 105, Mass Media and Society (2018)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CINE107
**Great Directors**
**Units:** 3
This class involves a survey and critical analysis of films by various film directors within the Film Industry. The class will deconstruct a film directors work (instructors choice) throughout the course of the semester, focusing specifically on technical, thematic and socio-cultural similarities that span the directors career. Students will be expected to articulate specific insights into the directors work through essay writing and exams. Emphasis on auteur theory, film style and visionary contributions to film history.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CINE108
**Film Genres**
**Units:** 3
Critical survey of a variety of film genres, including gangster, musical, comedy, film noir, Westerns, and others. Hollywood, independent and international examples, from different time periods.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CINE112
**Introduction to Video Editing and Postproduction**
**Units:** 3
This course introduces the theory and practice of video editing and postproduction using industry-standard non-linear editing systems. Emphasis is placed on the principles of visual storytelling, continuity, pacing, and aesthetic decision-making as they relate to editing for film, television, and digital media. Students develop skills in media organization, timeline-based editing, and audio and video integration within postproduction workflows. Through structured projects, students apply theoretical concepts to create cohesive video sequences while demonstrating a foundational understanding of editing theory, postproduction processes, and the functional use of digital editing tools.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 54
**Requisites:** None

# CINE122
**Screenwriting for Digital Media**
**Units:** 3
Introduction to writing scripts for film, television, and digital media. Emphasis on narrative storytelling, including story structure, character development, conflict, theme, and industry-standard script formatting. Students develop original short scripts through outlining, drafting, and revision for traditional and emerging media platforms.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CINE124
**Beginning Single Camera Production & Editing**
**Units:** 3
This course provides an introduction to single-camera digital video production, including production and aesthetic theories, terminology, and operation of field equipment. Topics covered will include composition and non-linear editing techniques, camera operation, lighting, and audio recording. This course focuses on the planning and execution of preproduction, production, and postproduction, culminating in a final project.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 54
**Requisites:** None

# CINE130
**Film Appreciation**
**Units:** 3
This course provides a background in understanding the aesthetics used in television, motion pictures, video games, and digital media and explores the development and impact of mediated messages. The interplay and structuring of elements of sight, sound, and motion as message components, and their capacity to generate impressions, stimulate feelings, shape attitudes, and convey information are examined.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CINE140
**Producing and Directing**
**Units:** 3
This course introduces the theory and practice of producing and directing for film, television, and digital media. Emphasis is placed on the theoretical foundations of visual storytelling, preproduction planning, and collaborative production processes.Students examine fundamental concepts including script analysis, scheduling, budgeting, and the coordination of production elements. Through guided projects, students apply theoretical concepts to the development of short-form media content.

Upon completion, students will demonstrate a foundational understanding of producing and directing processes, production workflow, and creative decision-making in motion picture production.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 54
**Requisites:** None

# CINE150A
**Film/TV Producing I**
**Units:** 3
Introduction to all aspects of planning the production of film and TV projects. Students are taught the skills to estimate, calculate, negotiate and evaluate all costs, legal concerns, insurance issues, permits, and pitfalls. Project budgets and organization for shorts, music videos, commercials, documentaries, and low-budget narrative films are examined.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CINE150B
**Film/TV Producing II**
**Units:** 3
Continued study of planning the production of feature film and large-scale TV projects. Students are taught the skills to estimate, calculate, negotiate and evaluate all costs, legal concerns, insurance issues, permits, and pitfalls. Project budgets and organization for feature films are examined.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CINE150A
Film/TV Producing I

# CINE152
**Beginning Audio Production**
**Units:** 3
This course introduces the theory and practice of audio production for radio, television, film, internet, and digital recording applications. Emphasis is placed on the fundamental principles of sound, acoustics, and aesthetics, as well as on microphone use and digital recording equipment. Students develop skills in recording, editing, mixing, and mastering audio for a variety of media formats. Through guided projects, students apply theoretical concepts to audio production workflows. Upon completion, students will have a basic understanding of audio production concepts, equipment functions, and industry-standard audio editing software.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:** None

# COMMUNICATION

# COMM101
**Group Dynamics**
**Units:** 3
Principles and methods of communication as applied in the small group setting. Emphasis on communication skills, processes, and operations in the small group. Includes understanding group dynamics and cooperative problem solving.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# COMM111
**Argumentation and Debate**
**Units:** 3
College level critical thinking, speaking and composition. Principles of debate techniques with emphasis on methods of logical analysis and reflective thinking. Practical application through adaptation of material to forms of debate on current issues.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# COMM120
**Intercultural Communication**
**Units:** 3
A general view of the sociological, psychological, and communication patterns of major cultural groups. Special emphasis on the methods, skills, and techniques necessary for effective intercultural and crosscultural communication.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# COMM120H
**Honors Introduction to Intercultural Communication**
**Units:** 3
Enriched for honors students. In-depth, seminar format examination of sociological, psychological, and communication patterns of major cultural groups. Methods, skills, and techniques for effective intercultural communication. Stresses analytical thinking skills.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# COMM130
**Forensics Team**
**Units:** 4
This course is designed to prepare students to participate in intercollegiate speech competition. Instruction and direction for the preparation, creation and performance of interpretation of literature programs, limited preparation speeches, readers theater, public debate, and general public address. Students are required to participate in off-campus forensics events.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

# COMM134
**Oral Interpretation**
**Units:** 3
Performance of prose, poetry, and drama; practice in speaking, interpretation, and analysis of literature, with training in the principles of effective delivery.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# COMM135
**Readers' Theatre**
**Units:** 3
Research, construct, rehearse, and perform interpretation of literature in an ensemble theatrical setting. Learn basic elements of choral reading, singing, and movement. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# COMM190
**Communication and New Media**
**Units:** 3
Introduction to emergent technology and mediated communication, with an emphasis on the impact that new media has on human communication. Examples of new media include--but are not limited to--online dating, gaming, social media, blogging, and podcasts. The course offers an overview of relevant theories and critical issues while providing students with the opportunity to apply communication skills using new media.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# COMM225
**Gender Communication**
**Units:** 3
Practical application, techniques, and in-depth analysis of sex and gender communication regarding language usage, biological and social influences, mass media, power abuses, long-term relationships, the workplace, friendships, and education.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
COMM100
Introduction to Interpersonal Communication - This course is now COMMC1004
**OR**
Advisory
COMM100H
Honors Introduction to Interpersonal Communication - This course is now COMMC1004H
**OR**
Advisory
COMM101
Group Dynamics
**OR**
Advisory
COMMC1000
Introduction to Public Speaking
**OR**
Advisory
COMM111
Argumentation and Debate

# COMM225H
**Honors Gender Communication**
**Units:** 3
Enriched approach in application, techniques and in-depth analysis of male and female communication regarding language usage, biological and social influences, mass media, marriage, organizations, same-sex/cross-sex friendships and education. Students will be required to do individual/group professor-guided research.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
COMM100
Introduction to Interpersonal Communication - This course is now COMMC1004
**OR**
Advisory
COMM100H
Honors Introduction to Interpersonal Communication - This course is now COMMC1004H
**OR**
Advisory
COMM101
Group Dynamics
**OR**
Advisory
COMMC1000
Introduction to Public Speaking
**OR**
Advisory
COMM111
Argumentation and Debate

# COMM230
**Advanced Forensics Team**
**Units:** 4
This course is designed to prepare students to participate at an advanced level in intercollegiate speech competition. Includes instruction and direction for the junior competition of interpretation of literature programs, limited preparation speeches, readers' theater, public debate, and general public address. Focuses on mentoring and coaching novice members. Students are required to participate in off-campus forensics events. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Advisory
COMM130
Forensics Team

# COMMC1000
**Introduction to Public Speaking**
**Units:** 3
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. Part2: Formerly: COMM110, Public Speaking (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# COMMC1000H
**Introduction to Public Speaking - Honors**
**Units:** 3
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. This is an honors course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** High School 3.0 GPA
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors
**OR**
Advisory
ENGLC1000
Academic Reading and Writing

# COMMC1004
**Interpersonal Communication**
**Units:** 3
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.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
PART 2

**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors
PART 2

# COMMC1004H
**Interpersonal Communication - Honors**
**Units:** 3
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. This is an honors course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
PART 2
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors
PART 2

## COMPUTER INFORMATION SYSTEMS

# CIS101
**Introduction to Microsoft Office**
**Units:** 3
Basics of Microsoft Office, a suite of applications for Windows (Word, Excel, Access, and PowerPoint). Acquire skills for creating, formatting, printing, and editing business documents.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CIS103
**Microsoft Word**
**Units:** 3
Step-by-step procedures are taught for creating, editing, and printing business documents with Microsoft Word.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CIS105
**Introduction to Microsoft Excel**
**Units:** 1.5
Introduction to Excel spreadsheets including formatting, graphics, and formulas common to business applications. Prepares student for MS Excel Certification.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 27 **Lab Hours:** 0
**Requisites:** None

# CIS106
**Microsoft Excel**
**Units:** 3
Introduction to Microsoft Excel and how it facilitates solving business problems. Covers data management and reporting using spreadsheets, charts, database tools and macros.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CIS110
**Introduction to Microsoft Project**
**Units:** 3
Provides basic knowledge of how to plan a project, identify and create tasks, estimate workloads and duration, setup project schedules, maintain the schedule, assign resources, connect resources to tasks, setup a project budget, track progress utilize reports and close a project using Microsoft Project software. (No credit if the student has taken PBLC 110.)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
PBLC110
Introduction to Microsoft Project

# CIS111
**Python Programming**
**Units:** 3
This course is an introduction to fundamental concepts and techniques for writing software in the Python programming language. This course covers the syntax and semantics of data types, expressions, exceptions, control structures, input/output, methods, classes, and pragmatics of Python programming.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CIS115
**Introduction to Cybersecurity**
**Units:** 3
This course provides a comprehensive introduction to the foundational principles of cybersecurity. Students will gain a holistic understanding of the modern threat landscape, common attack vectors, and the technical and procedural defenses used to protect digital assets. The curriculum balances theoretical concepts with practical applications, covering essential topics such as networking basics, risk management, cryptography, and incident response. The course also explores the legal, ethical, and career-oriented aspects of the cybersecurity field, preparing students for further study or entry-level roles.

**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CIS157
**Introduction to Robotics**
**Units:** 3
Introduction to Robotics Programming using the LEGO Mindstorms platform. Basic mechanical, electronics, and control issues in Robotics are discussed, including the design and implementation of robotic systems. Students program a robot using several programming languages including the LEGO programming language, as well as Robot C.
***Former Title:*** Introduction to Robotics Programming (2016)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CIS159
**Introduction to iOS/iPhone Mobile App Development**
**Units:** 3
Introduction to mobile application development for iPhones and other iOS devices using beginning programming concepts and skills.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CIS259
**Advanced iOS/iPhone Mobile App Development**
**Units:** 3
Advanced techniques for mobile application development for iPhones and other iOS devices using Objective-C programming.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**

Advisory
CIS159
Introduction to iOS/iPhone Mobile App Development
or similar programming experience

## COMPUTER SCIENCE

# CMPR100
**The Computer and Society**
**Units:** 3
An introduction to the area of computers and their relationship to today's information society. Examines a broad overview of topics including: hardware, software, networking, information technology, and the internet. The student will explore the implication and effect of technology on society, careers and ethics.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CMPR105
**Visual BASIC Programming**
**Units:** 3
Introduction to programming and Visual BASIC. Emphasis on programming fundamentals and the creation of applications with Visual BASIC. No previous programming experience is required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CMPR111
**Python Programming Foundations**
**Units:** 3
This course is an introduction to fundamental concepts and techniques for writing software in the Python programming language. This course covers the syntax and semantics of data types, expressions, exceptions, control structures, input/output, methods, classes, and pragmatics of Python programming. No credit given if a student has taken Computer Information Systems CIS-111, Python Programming.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
CIS111
Python Programming

# CMPR112
**Java Programming**
**Units:** 3
Introduction to object-oriented program design. Overview of the Java programming language, including developing applications for web pages and stand-alone applications.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CMPR120
**Introduction to Programming**
**Units:** 3
Introduction to programming concepts including data types, mathematical operations, elementary input/output, and the basic control structures of sequence, selection, iteration and functions. Program design techniques utilizing structured and object-oriented methodologies will be emphasized.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# CMPR120H
**Honors Introduction to Programming**
**Units:** 3
Honors introduction to programming concepts including data types, mathematical operations, elementary input/output, and the basic control structures of sequence, selection, iteration and functions. Program design techniques utilizing structured and object-oriented methodologies will be emphasized.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 and above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# CMPR121
**Programming Concepts**
**Units:** 3
Continuing introduction to programming concepts, development of algorithms utilizing functions, classes and the primary control structures. Program I/O; strings and arrays; data types: classes and objects. Documentation techniques.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:**
Prerequisite
CMPR120
Introduction to Programming

# CMPR121H
**Honors Programming Concepts**
**Units:** 3
Honors continuing introduction to programming concepts, development of algorithms utilizing functions, classes and the primary control structures. Program I/O; strings and arrays; data types: classes and objects. Documentation techniques.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 and above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level

or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# CMPR129

**Introduction to Computer Organization**
**Units:** 4
Presents the organization and structure of computers at hardware and software levels: analysis and synthesis of combinatorial and sequential logic, data representation and manipulation, language structures and translation, and process administration and management.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Advisory
CMPR120
Introduction to Programming
or equivalent

# CMPR131

**Data Structures Concepts**
**Units:** 3
Application of simple Data Structures Concepts (ADT's) including linked structures, stacks, queues and trees. Use of pointers, recursion, sorting algorithms, classes and object-oriented programming to implement Data Structures.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CMPR121
Programming Concepts

# CMPR149

**Discrete Structures for Computer Science**
**Units:** 3
This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: Functions; Relations and Sets; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. This course is compliant with the standards of the Association for Computing Machinery (ACM).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
MATH140
College Algebra
**OR**
Advisory
STATC1000
Introduction to Statistics
**OR**
Advisory
STATC1000H
Introduction to Statistics - Honors
**OR**
Advisory
STATC1000E
Introduction to Statistics
**OR**
Advisory
MATH105
Mathematics for Liberal Arts Students
**AND**
Prerequisite
CMPR121
Programming Concepts

# CMPR154

**Computer Architecture and Organization**
**Units:** 3
The organization and behavior of real computer systems at the assembly language level. Topics include number systems and data representation, addressing techniques, memory management, interrupt handling, recursion, subroutines, arrays, and the implementation of high-level language constructs at the machine-language level. This course is compliant with the standards of the Association for Computing Machinery (ACM).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CMPR120
Introduction to Programming
**AND**
Advisory
CMPR121
Programming Concepts

# CMPR157

**Introduction to Robotics**
**Units:** 3
Introduction to Robotics Programming using the LEGO Mindstorms platform. Basic mechanical, electronics, and control issues in Robotics are discussed, including the design and implementation of robotic systems. Students program a robot using several programming languages including the LEGO "NXT-G" programming language, as well as Robot C.
***Previous Title:*** Introduction to Robotics Programming (2016)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CMPR162

**Introduction to Software Engineering**
**Units:** 3
This course introduces the fundamental principles, methodologies, and practices of software engineering, including design, development processes, testing, and project management. Emphasis is placed on teamwork, documentation, and building reliable, maintainable software systems.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
CMPR131
Data Structures Concepts

# CMPR213

**C# Programming**
**Units:** 3
Study of C# programming. Topics covered include the .NET environment, object-oriented programming, relational databases, and creation of graphical user interfaces.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
CMPR121
Programming Concepts

## COSMETOLOGY

# COSM005

**Health and Safety**
**Units:** 0.5-7
Instruction in the theory and practical applications of health and safety practices for Cosmetology and Esthetician as required by Section 7316 of the Barbering and Cosmetology Act. Must be enrolled in the Cosmetology or Esthetician program. Students are required to purchase a basic supply kit as part of the program.Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 5-100 **Lab Hours:** 15-100
**Requisites:** None

# COSM040

**Cosmetology**
**Units:** 0.5-35
Principles and practices in cosmetology. Preparation for Board Examination for licensing by the State of California Board of Barbering and Cosmetology. Laboratory participation includes student demonstration that all performance objectives have been met. Students are required to purchase a basic cosmetology kit. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9-450 **Lab Hours:** 9-550
**Requisites:** None

# COSM050

**Manicuring**
**Units:** 0.5-13.5
Complete instruction of nail care as required by the State Board of Barbering and Cosmetology for licensure preparation. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 125 **Lab Hours:** 275
**Requisites:** None

# COSM070

**Barbering**
**Units:** 0.5-48
Principles and practices in barbering. Preparation for Board Examination for licensing by the State of California Board of Barbering and Cosmetology. Laboratory participation includes student demonstration that all performance objectives have been met. Basic cosmetology kit at student's expense. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 4-385 **Lab Hours:** 12-1115
**Requisites:** None

# COSM080

**Esthetician**
**Units:** 0.5-13
Instruction in the theory and practical applications of all practices of an esthetician as required by Section 7316 of the Barbering and Cosmetology Act. Students are required to purchase a basic esthetician kit. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9-162 **Lab Hours:** 226.8
**Requisites:** None

## COUNSLEING

# CNSL101

Educational, Personal, Cultural, and Career Exploration
**Units:** 3
Designed to promote academic and career success by exploring student development from an educational, sociological, psychological and physiological perspective. Exploration of higher education opportunities, potential career interests and a focus on educational planning. Recommended for students planning to complete an associate degree and/or transfer to a university. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNSL106

**Inquiries Into Higher Education**
**Units:** 1
A comprehensive and advanced study of selecting and completing an academic plan, developing goals and objectives, and choosing a college major. Topics include study techniques, assessing interests and skills, and planning a major.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# CNSL110
**University Transfer Research**
**Units:** 2
Development and enhancement of decision-making strategies for transfer students. Identification of education/career goals. Analysis, comparison, and evaluation of university admission, major, and post-graduate requirements and student services. On-site research/field study at universities. Field trips required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# CNSL111
**Learning Skills Development**
**Units:** 1
Application of educational/psychological principles in the development of effective learning skills for college courses. Topics also include identifying diversities of cultural influence, learning style, time management, textbook study/comprehension, note-taking, research preparation, and testing.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# CNSL113
**Learning Strategies for College Success**
**Units:** 3
This comprehensive course is designed to promote academic success by exploring the students' development from an educational, sociological, psychological and physiological perspective. Students will learn critical thinking strategies and communication techniques for their educational, professional, and interpersonal achievement. Students will also cultivate effective learning strategies that will assist them in developing study habits for college academic success. Students will be introduced to lifestyle techniques that will promote a healthy work/ life balance as it pertains to their current lives as college students and to their future working adult lives.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNSL116
**Career/Life Planning and Personal Exploration**
**Units:** 3
The course is designed to assist students in successfully establishing and achieving education, career and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills and learning styles. Career and education options are researched, and students are exposed to college resources and support services. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, career and life plans. Materials fee required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNSL118
**Self Exploration and the Teaching Profession**
**Units:** 2
An exploration of self” through a reflective process that focuses on values, interests, skills and personality as applied to the teaching profession and alternate professional choices. Topics include personal effectiveness, increasing cultural sensitivity, psychological and sociological forces within the workplace, career ladders and options, and academic preparation required for employment. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, career, and life plans. Materials fee required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# CNSL150
**Introduction to Social Work and Human Services**
**Units:** 3
This course covers the history and philosophy of social work and human services including theoretical frameworks, the function and orientation of social service organizations. Using a multidisciplinary approach, an examination of the impact of cultural, societal, and ethical issues facing the social work and human services field will frame how target populations are served. Through a social justice lens, special attention is given to the evolution current service delivery systems, their policies and procedures, and the tasks of culturally responsive social workers and human service workers within those settings. Former Title: CNSL 150, Introduction to Human Services (Fall 2025).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNSL151
**Helping Professions Employability Skills**
**Units:** 1
This course is designed to prepare students for entry-level roles in social work and human services by focusing on practical skills and workplace readiness. Students will develop key employability skills such as effective communication, professional writing, and conflict resolution. This course is ideal for those seeking to gain practical experience and develop job-specific skills for success in social services roles.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:**
Co-Requisite
CNSL150
Introduction to Social Work and Human Services
**OR**
Prerequisite
CNSL150
Introduction to Social Work and Human Services

# CNSL152
**Philosophy of Helping**
**Units:** 3
This course engages foundational concerns of the helping professions such as educators, social workers and other human services from individual, communal, and societal perspectives. Explore ways society provides help that are empowering and authentic for those being helped, and tensions that inevitably arise when we try to formalize the helping relationship. In addition to exploring the skills that lead to caring, competent, and effective practice, each student will develop a personal approach to helping that is critical and reflective.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNSL160A
**The Helping Professions Seminar**
**Units:** 1
The Helping Professions Seminar affords students the opportunity to incorporate the academic knowledge learned in the prerequisite and co-requisite courses while acquiring work experience in a social work/human services setting. Weekly supervision will be provided to foster problem solving, cultural competency, reflection, and self-evaluation as students gain insight into their future role as helping professions practitioners.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:**
Prerequisite
CNSLI50
Introduction to Social Work and Human Services
**AND**
Co-Requisite
CNSL 160B
**AND**
Prerequisite
PSYCCI000
Introduction to Psychology
**OR**
Prerequisite
PSYCCI000H
Introduction to Psychology - Honors
**OR**
Prerequisite
SOCI00
Introduction to Sociology
**OR**
Prerequisite
SOCI00H
Honors Introduction to Sociology

# CNSL160B
**Fieldwork Experience for the Helping Professions**
**Units:** 2
Fieldwork experience provides the opportunity for students to incorporate academic knowledge learned in the prerequisite/corequisite courses and gain life-long skills through supervised training hours in a helping professions setting. This course is designed to assist students with an opportunity to examine, apply, and develop skills that would enable them to gain employment in the human services field. With the approval of the instructor, students will select their fieldwork placement that supports their career goals.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 108
**Requisites:**
Prerequisite
CNSLI50
Introduction to Social Work and Human Services
**AND**
Co-Requisite
CNSLI60A
**AND**
Prerequisite
PSYCCI000
Introduction to Psychology
**OR**
Prerequisite
PSYCCI000H
Introduction to Psychology - Honors
**OR**
Prerequisite
SOCI00
Introduction to Sociology
**OR**
Prerequisite
SOCI00H
Honors Introduction to Sociology

# CNSL161
**Social Work and Human Services Work Experience Education (WEE)**
**Units:** 1-4
This course supports on the job training and learning objectives established by the student, on site supervisor, and professor. Students will leverage their classroom knowledge in a practical, real-world social work/human services environment aligned with their career goals. One (1) unit of credit requires 54 hours of paid or unpaid work experience. Students may earn 1 to 4 units, repeatable up to a maximum of 14 units per Title 5, Section 55253. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54-216
**Requisites:**
Advisory
CNSLI50
Introduction to Social Work and Human Services

# CNSL165
**Multiculturalism in Counseling**
**Units:** 3
This introductory course examines multicultural counseling theories through the evaluation of systemic and societal inequities. A historical and comparative analysis of multiculturalism in American society will include the experiences of historically marginalized communities. The intersectionality of race, ethnicity, culture, gender, sexual orientation, identity development, and people with disabilities will be evaluated through the multicultural counseling lens.
**Transferability:** Transferable to both UC and CSU

**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None



## CRIMINAL JUSTICE

### CJ101
**Introduction to Criminal Justice**
**Units:** 3
This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces that have shaped those principles and approaches. Although justice structure and process are examined in a cross cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

### CJ111
**Community Relations and Policing**
**Units:** 3
Community policing is a philosophy that promotes working in partnership with a community to prevent and/or address crime based on a collaborative approach. This course will provide students or law enforcement professional with the framework and knowledge of community policing which include best practices for incorporating public trust, preventing crime by collaborating with the public, embracing smart policing initiatives, adopting "best practices" in policing and promoting officer and community safety mindset. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

### CJ112
**Introduction to Corrections and Probation**
**Units:** 3
This is an introductory course designed to provide students with a basic understanding of the correctional system in America. Students will critically examine the various functions of corrections from both an historical and contemporary perspective, focusing on the way in which correctional systems are influenced and in turn influence numerous components and institutions in our society. The course examines the goals of corrections, institutional contexts, laws pertaining to corrections, community supervision, offender re-entry, and other issues pertaining to corrections in the United States. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

### CJ113
**Juvenile Procedures: Delinquency and Control**
**Units:** 3
This course is an examination of the origin, development, and organization of the juvenile justice system. The course explores the theories, procedures, and laws surrounding delinquency and dependency. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

### CJ114
**Organized Crime and Gangs in America**
**Units:** 3
This course will examine the attributes, causes and historical antecedents of organized crime an its members. Emphasis is on the make-up of different organizations and gangs including rank, structure initiation ceremonies and criminal activity. Further discussion focuses on law enforce response to organized crime and its impact on society. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

### CJ115
**Introduction to Criminal Law**
**Units:** 3
Introduces the historical development and philosophy of law. Reviews constitutional provisions, definitions and classifications of crimes and their application to the criminal justice system. Explores crimes against persons, property and the state as social, religious and historical ideology. Defines common and statutory law and the nature of acceptable evidence and defenses to crimes. Employs legal research and review of case law methodology to introduce students to criminal law. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

### CJ116
**Legal Aspects of Evidence**
**Units:** 3
Introduces the origin, development, philosophy and constitutional basis of evidence. Includes examination of constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility and exclusion in the criminal process. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CJ117
**Homelessness and Drug Abuse De-escalation**
**Units:** 3
This course examines social and community issues related to homelessness, substance abuse, and crisis de-escalation. Emphasis is placed on trauma-informed strategies that enable frontline personnel to manage high-stress situations safely and effectively. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CJ119
**Public Safety Dispatch/911 Operator**
**Units:** 3
The Public Safety Dispatcher Course introduces the necessary skills and knowledge to work in a public or private communications dispatch center and as a complaint desk operator. Students learn correct procedures for public safety telephone and radio operation, interagency coordination and communication, and stress management. This course prepares each student for the basic roles, responsibilities, and duties of a safety dispatcher within the law enforcement agency.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CJ199
**Administrative of Justice Work Experience Education**
**Units:** 1-4
The Administration of Justice Work Experience course allows students to earn college credit while gaining hands-on experience in the criminal justice field, often through work with a local law enforcement agency. This course provides a practical opportunity to build a resume, network with professionals, and get a real-world feel for a potential career in law enforcement or related fields. 54 hours of paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54-216
**Requisites:**
Prerequisite
PASV150
Introduction to Public Administration
**AND**
Prerequisite
PASV155
The Art of Politics and Policymaking

# PASV121
**Introduction to Environmental Justice**
**Units:** 3
This course introduces the principles of environmental justice (EJ) in the context of urban planning and policy. It explores the historical and contemporary intersections between environmental degradation and social inequality, with a focus on how planning can address issues of injustice in communities, particularly those that are marginalized or disenfranchised. The course examines theories, case studies, and strategies for integrating environmental justice into urban planning practices. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV122
**Land Use Planning Practices**
**Units:** 3
This course offers an in-depth examination of the intersection of land use planning, zoning regulations, and the permitting and building department processes within local government. It explores the foundational principles of zoning and land use planning, with a specific focus on how these principles inform and interact with permit issuance and building department functions. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# DANCE

# DNCE100
**Dance History and Appreciation**
**Units:** 3
The development of dance in Western Europe and the U.S. from ancient times to the present. Explores dance as an emerging art form from the Renaissance to the 21st century. Emphasizes the contemporary dance heritage of the United States. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# DNCE106A
**Introduction to Modern Dance I**
**Units:** 1
An introduction to modern dance emphasizing movement technique, dance vocabulary and creative individual expression. Includes an introduction to choreographic principles and the historical/cultural context of American modern dance. For the student with little or no dance experience.
***Previous Title:*** Dance 106A, Introduction to Modern Dance (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:** None

# DNCE106B
**Introduction to Modern Dance II**
**Units:** 1
This course further explores the technical and expressive elements of modern dance. Students will practice floor exercises, axial/positional movements, and locomotor patterns at an intermediate level. Deepening an understanding of historical significance, dance vocabulary, and creative individual expression. Strengthening an understanding of choreographic principles and cultural context of American modern dance.
***Previous Title:*** Dance 106B, Introduction to Modern Dance (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:**
Advisory
DNCE106A
Introduction to Modern Dance I

# DNCE108A
**Introduction to Ballet**
**Units:** 1
Introduction to basic ballet emphasizing movement technique, dance vocabulary, and creative individual expression. Student learns basic ballet barre exercises, center work, and short dance works. Includes an introduction to choreographic principles and cultural context of ballet. For the student with little or no dance experience.
***Previous Title:*** Dance 108A, Introduction to Ballet (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:** None

# DNCE108B
**Introduction to Ballet**
**Units:** 1
This course further explores the technical and expressive elements of ballet technique, dance vocabulary, and creative individual expression. Students will practice ballet barre exercises, center work, and short dance works at an intermediate level. Strengthening an understanding of historical significance, choreographic principles and cultural context of ballet.
***Previous Title:*** Dance 108B,Introduction to Ballet (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:**
Prerequisite
DNCE108A
Introduction to Ballet

# DNCE115A
**Introduction to Tap Dance**
**Units:** 1
Introduction to basic tap dance technique. Focuses on the mastery of basic tap steps and simple dance combinations. Recommended for theatre and dance majors. For the student with little or no dance experience. Field trips may be required.
***Previous Title:*** Dance 115A,Introduction to Tap Dance (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:** None

# DNCE115B
**Introduction to Tap Dance**
**Units:** 1
This course further explores the technical and expressive elements of tap dance. Students will practice skills necessary for execution of traditional tap dance steps and sequences at an intermediate level. Strengthening intermediate steps leading to combination work in complete dances.
***Previous Title:*** Dance 115B,Introduction to Tap Dance (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:**
Advisory
DNCE115A
Tap Dance Fundamentals

# DNCE119A
**Introduction to Jazz Dance**
**Units:** 1
Introduction to jazz dance technique emphasizing elementary movement technique, vocabulary and creative expression. Includes an introduction to composition and cultural context of jazz. For students with little or no dance experience.
***Previous Title***: Dance 119A, Introduction to Jazz Dance (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:** None

# DNCE119B
**Introduction to Jazz Dance**
**Units:** 1
This course further explores the technical and expressive elements of jazz dance. Students will practice body alignment, locomotor movements, hitch kicks, and leaps. Deepening an understanding of jazz dance, movement technique, vocabulary, and creative expression. Strengthening an understanding of composition and cultural context of traditional and contemporary jazz dance forms.
***Previous Title:*** Dance 119B, Introduction to Jazz Dance (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:** None

# DNCE204A
**Dance Production I**
**Units:** 2
Concert dance production experience culminating in public performances. Includes production basics, with an emphasis on performance techniques and working with faculty/student choreographers to create original dances. By audition only prior to enrollment. Former Title: DNCE 204A, Dance Production (Spring 2024)

**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:** None

# DNCE204B

**Dance Production II**
**Units:** 2
Continued study in concert dance production culminating in public performances. Includes a range of production basics and advanced dance production methods, with an emphasis on choreography to create original dance work. Course differs from 204A. Former Title: DNCE 204B, Dance Production (Spring 2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Audition
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:** None

# DNCE205

**Performance Ensemble**
**Units:** 2
Pre-professional ensemble to provide performance experience for advanced students. Concert tour/performance field trips may be required. Repertoire and casting vary each semester.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Audition
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:** None

# DNCE250A

**Hip-Hop Dance I**
**Units:** 2
Introduction to hip-hop dance emphasizing movement technique, vocabulary, and creative expression. Includes an introduction to choreographic principles, improvisation, and cultural context of hip-hop.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:** None

# DNCE250B

**Hip-Hop Dance II**
**Units:** 2
Continued study in hip-hop dance emphasizing movement technique, vocabulary, and creative expression. Includes improvisation, more difficult combinations, student compositions, and the cultural context of hip-hop. Movement repertoire differs from 250A.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
DNCE250A
Hip-Hop Dance I
successfully complete with a minimum grade of C

# DNCE251

**Hip-Hop Dance III**
**Units:** 2
Instruction for the continuing dance student in advanced level hip-hop dance technique and further development of performance skills. Emphasis will be placed on combinations, choreography, performance style, and cultural context of hip-hop. Dance 250B is recommended prior to enrollment in this course.
Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
DNCE250B
Hip-Hop Dance II
Successfully completion with a minimum grade of C



## EARTH SCIENCE

# ERTH100

**Physical Geology**
**Units:** 3
Introduction to physical geology with an emphasis on the processes that change and shape Earth both internally and externally. Appropriate for students in any major. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ERTH100L
Physical Geology Laboratory
concurrent enrollment

# ERTH100L

**Physical Geology Laboratory**
**Units:** 1
Identification of common minerals and rocks, topographic and geologic map exercises demonstrating the work of water, wind, ice, gravity, and effects of tectonic activity. Content correlates to Earth Science 100 lecture material. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:**
Prerequisite
ERTH100
Physical Geology
or concurrent enrollment

# ERTH111

**Historical Geology**
**Units:** 4
Introduction to historical geology, investigating the history of Earth as preserved in the rock record with an emphasis on North America. Appropriate for students in any major. Field trips required.

**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

# ERTH120
**Earth Sciences**
**Units:** 3
Investigating the processes that shape and form Earth and define its place in the solar system through the sciences of geology, oceanography, meteorology and astronomy. Appropriate for students in any major. Field trips required. Not open to students who are enrolled in or have credit in Earth Science 121.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ERTH121
**Earth Sciences for Educators**
**Units:** 4
Investigating the processes that shape and form Earth and define its place in the solar system through the sciences of geology, oceanography, meteorology and astronomy. This course is appropriate for students in any major, but oriented towards enhancing the Earth sciences knowledge of future teachers. Field trips required. Not open to students who are enrolled in or have credit in Earth Sciences 120.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

# ERTH130
**Environmental Geology**
**Units:** 3
Introductory geology course emphasizing the fundamentals of environmental geology and the Earth system, including the interaction between, and impacts of, humans with the geological environment. Also emphasized are the interconnections among the geosphere, hydrosphere, atmosphere, and biosphere. Appropriate for students in any major. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ERTH160
**Oceanography**
**Units:** 3
Introduction to oceanography and the processes that form, shape and change Earth's oceans. Appropriate for students in any major. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ERTH200
**Geology of California**
**Units:** 3
Introduction to the geology of California emphasizing tectonic processes, geologic structures, physiographic provinces, landforms, natural resources, geologic history, rocks and minerals, and the natural hazards of our state. Appropriate for students in any major. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ERTH100
Physical Geology
**OR**
Advisory
ERTH120
Earth Sciences
**OR**
Advisory
ERTH121
Earth Sciences for Educators
**OR**
Advisory
GEOG101
Introduction to the Natural Environment
**OR**
Advisory
GEOG101H
Honors Introduction to the Natural Environment

# ERTH212
**San Andreas Fault System Geology Field Study**
**Units:** 1
Introductory exploration of the geology and tectonic history of the San Andreas Fault in California. Appropriate for students in any major. Mandatory orientation along with two, one-day field trips.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# ERTH214
**Orange County Geology Field Study**
**Units:** 1
Introductory exploration of the geology of Orange County, California. Included are its geologic history such as mountain building, volcanic activity, faulting, coastal processes, stratigraphy and mineral resources. Appropriate for students in any major. Mandatory orientation along with two, one-day field trips.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# ERTH220
**Introduction to Work Experience**
**Units:** 3
This course is an introduction to work experience with an off campus, supervised volunteer experience in the geosciences including an

introduction to new or expanded responsibilities. 180 hours of work equals three unit of course credit. Student repetition is allowed per Title 5,Section 55253. Students may earn a maximum of 14 units of credit for work experience. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 180
**Requisites:**
Advisory
ERTH100
Physical Geology
**AND**
Advisory
ERTH100L
Physical Geology Laboratory

# ERTH222A

**National Parks and Monuments Field Studies**
**Units:** 2
This field study course explores the origins, geology, and natural history of National Parks and Monuments in the western United States. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a five-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# ERTH222B

**National Parks and Monuments Field Studies**
**Units:** 2
This field study course explores the origins, geology, and natural history of National Parks and Monuments in the western United States. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a five-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# ERTH222C

**National Parks and Monuments Field Studies**
**Units:** 2
This field study course explores the origins, geology, and natural history of National Parks and Monuments in the western United States. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a five-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# ERTH222D

**National Parks and Monuments Field Studies**
**Units:** 2
This field study course explores the origins, geology, and natural history of National Parks and Monuments in the western United States. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a five-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# ERTH222E

**National Parks and Monuments Field Studies**
**Units:** 2
This field study course explores the origins, geology, and natural history of National Parks and Monuments in the western United States. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a five-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# ERTH222F

**National Parks and Monuments Field Studies**
**Units:** 2
This field study course explores the origins, geology, and natural history of National Parks and Monuments in the western United States. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a five-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# ERTH224A

**California State Parks Field Studies**
**Units:** 1
This field study course explores the origins, geology, and natural history of California State Parks. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a three-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None

**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# ERTH224B
**California State Parks Field Studies**
**Units:** 1
This field study course explores the origins, geology, and natural history of California State Parks. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a three-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# ERTH224C
**California State Parks Field Studies**
**Units:** 1
This field study course explores the origins, geology, and natural history of California State Parks. The focus, content, and specific parks visited may vary by offering. Appropriate for students in any major. Mandatory orientation along with a three-day overnight field trip. Limitation: Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students must be able to hike and camp (tents, sleeping bags, cooking, limited showers).
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

## ECONOMICS

# ECONC2001
**Principles of Microeconomics**
**Units:** 3
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 both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.
**AND**
Co-Requisite
None

# ECONC2002
**Principles of Macroeconomics**
**Units:** 3
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 both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

## EDUCATION

# EDUC101
**American Schools and Society**
**Units:** 3
Introduction to the historical, sociological and psychological goals of American schools as a social/political institution. Topics include equality of educational opportunity; student diversity and multicultural education; economic, societal and political influences; teacher roles and responsibilities; curriculum standards; and the globalization of education.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# EDUC110
**The Teaching Experience: Exploration**
**Units:** 3
An exploration of the teaching profession both from academic understanding and from experience gained through 20 hours of classroom observations, assisting in schools and educational centers and designing, preparing and teaching standards based lessons in grades K-12. Topics will include instructional techniques and skills for the teaching profession, exploration of anti-racist teaching strategies and diverse student learning and roles and responsibilities of teachers.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# EDUC113
**Educational Strategies for Tutors and Instructional Aides**
**Units:** 1
An examination of effective educational support strategies for tutors

and instructional paraprofessionals with a focus on the reading, math and writing skills of school- age children. Students are placed in local PK-8 classrooms, tutoring centers, and/or after school programs to apply strategies and gain experience tutoring and working with school-age children. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# EDUC125
**Foundations In Elementary Learning**
**Units:** 3
This course introduces foundational concepts in how elementary-age children (TK-6) learn and develop, integrating cognitive, behavioral, and social perspectives. Students examine major developmental and learning theories, instructional practices, and a range of educational settings. Emphasis is placed on understanding the whole student across varied learner needs, recognizing the role of language and culture, supporting multilingual learners and students with exceptionalities, and applying instructional support strategies used in elementary settings. Students apply these strategies in roles such as paraprofessionals, instructional assistants, tutors, and aspiring educators in elementary settings and beyond. Students are required to complete 10 hours of supervised fieldwork in a TK-6 classroom, where they observe and assist with instruction. Fieldwork is completed outside of scheduled class time and provides opportunities to apply course concepts in a practical setting.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# EDUC130
**Expanded Learning for TK-12 Educators**
**Units:** 3
This course prepares future TK-12 educators to design, facilitate, and integrate expanded learning experiences that occur before and after the regular school day. Students examine the role of enrichment programs in supporting academic, social, recreational, and whole student development through student-centered learning environments. Students complete 10 hours of required fieldwork in a TK-12 expanded learning program, where they observe and support enrichment activities. Fieldwork occurs outside of scheduled class time and provides opportunities to apply course concepts through applied learning.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# EDUC199A
**Education Portfolio Lab**
**Units:** 1
This 1-unit lab course supports future teachers in developing a professional education portfolio that demonstrates their readiness for careers in TK-12 educational settings. Students learn how to craft a personal teaching philosophy, curate evidence of instructional practices, prepare professional documentation, and design a polished digital or physical portfolio aligned with educational expectations. Emphasis is placed on reflective practice, technical skills, artifact selection, and tailoring portfolios for educational opportunities.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:** None

# EDUC199B
**Education Portfolio Lab**
**Units:** 1
This 1-unit lab course supports future teachers in developing a professional education portfolio that demonstrates their readiness for careers in TK-12 educational settings. Students learn how to craft a personal teaching philosophy, curate evidence of instructional practices, prepare professional documentation, and design a polished digital or physical portfolio aligned with educational expectations. Emphasis is placed on reflective practice, technical skills, artifact selection, and tailoring portfolios for educational opportunities.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:** None

# EDUC200
**Introduction to Elementary Classroom Teaching**
**Units:** 3
Introduction to educational theory and practice, assessing issues and standards for teaching in California's culturally and linguistically diverse PK-6 school settings; explores instructional methods for teaching, historical and philosophical foundations of the American education system, contemporary educational issues, Californias curriculum standards and teacher performance standards. Students participate in 45 hours of structured observation in an elementary classroom in cooperation with a certificated classroom teacher.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors

# EDUC206
**Proficiency in Educational Technologies for Teachers**
**Units:** 3
Develop personal proficiency in educational technologies to facilitate teaching process. Develop digital literacy through use of presentation, spreadsheet, word processing and publication software, and interactive online tools; Internet search and retrieval; information literacy; electronic communication and collaboration; awareness of legal and ethical issues in the digital world.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None

**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# EDUC209

**Roles and Responsibilities of the Special Education Paraprofessional**
**Units:** 3
This course is designed to train persons who work as classroom paraprofessional/teaching assistants in the public schools. The course provides an overview of paraprofessional roles and responsibilities including legal, instruction, evaluation and behavioral issues. Supports current legislation for paraprofessionals. May require field trips or field experience.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# EDUC211

**Classroom Practices for Diverse Learners**
**Units:** 3
Prepares individuals to assist teachers in various settings to support diverse learners (individuals who have disabilities, are second language learners, are gifted, etc.). Topics will include lesson planning, adapting academics: reading, mathematics, science, art, job coaching, behavioral support, etc.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# EDUC220

**Introduction to Secondary Teaching**
**Units:** 3
Introduction to the history, philosophy, and sociology of secondary education. This course will cover the California Teacher Performance Expectations and Assessment; needs of special populations, cultural competency and critical consciousness for educators, English learners, and struggling readers; content standards and major curriculum reform documents. Students participate in 40 hours of structured observation and internship in a local secondary classroom.
***Former Title:*** Education 210, The Teaching Experience: Secondary Education (2020)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# EDUC235

**Educational Technology: Artificial Intelligence for Educators**
**Units:** 3
This course offers educators an in-depth exploration of Artificial Intelligence (AI) and its transformative impact on teaching and learning. Students will gain a solid foundation in AI concepts and terminologies while exploring a variety of AI tools that can enhance classroom management, assessment, personalized learning, and curriculum design. Through hands-on activities, case studies, and ethical debates, students will critically evaluate the benefits, challenges, and ethical considerations of integrating AI into educational practices. Participants will learn to develop and apply AI-driven strategies to create innovative and effective lesson plans, assignments, and student-centered policies. The course culminates in a capstone project where students will showcase their ability to synthesize AI tools, curriculum design, and ethical principles to enhance student success and equity in the classroom.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ELECTRICIAN

# ELCT041

**General Electrician 1**
**Units:** 3
First semester of a five-year program for certified electrical trainees. Covers tools and fasteners, knot tying, math and materials, building materials and safety, and residential blueprints. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:** None

# ELCT042

**General Electrician 2**
**Units:** 3
Second semester of a five-year program for certified electrical trainees. Covers DC theory, series circuits, parallel circuits and combination circuits. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT041
General Electrician 1

# ELCT043

**General Electrician 3**
**Units:** 3
Third semester of a five year program for certified electrical trainees. Covers codeology, test instruments and sine waves, three-phase systems, residential and commercial blueprints, mechanical bending. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT042
General Electrician 2

# ELCT044
**General Electrician 4**
**Units:** 3
Fourth semester of a five-year program for certified electrical trainees. Covers electrical theory, transformers, and National Electrical Code application. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT043
General Electrician 3

# ELCT045
**General Electrician 5**
**Units:** 3
Fifth semester of a five-year program for certified electrical trainees. Covers the National Electrical Code, grounding, industrial blueprints, and earth testing. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT044
General Electrician 4

# ELCT046
**General Electrician 6**
**Units:** 3
Sixth semester of a five-year program for certified electrical trainees. Covers advanced motor control and code as applied to motor protection. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT045
General Electrician 5

# ELCT047
**General Electrician 7**
**Units:** 3
Seventh semester of a five-year program for certified electrical trainees. Covers electronics and programmable logic controllers. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT046
General Electrician 6

# ELCT048
**General Electrician 8**
**Units:** 3
Eighth semester of a five-year program. Provides related and supplemental instruction in code calculations and electrical grounding and bonding. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT047
General Electrician 7

# ELCT049
**General Electrician 9**
**Units:** 3
Ninth semester of a five-year program for certified electrical trainees. A cover-to-cover study of the National Electrical Codebook to prepare for the California State Electrical Examination. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT048
General Electrician 8

# ELCT050
**General Electrician 10**
**Units:** 3
Final semester of a five-year program. Provides related and supplemental instruction in jobsite management and photovoltaic systems. Meets the requirement as a state-certified training course. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 35 **Lab Hours:** 45
**Requisites:**
Prerequisite
ELCT049
General Electrician 9

# ELCT051
**Quality Safety Program and First Aid**
**Units:** 1.5
OSHA workplace requirements, the identification and use of safe work practices, coping with accidents and emergency situations, and one person CPR for inside wireman apprentices. American Red Cross certificate available upon successful completion. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 20 **Lab Hours:** 10
**Requisites:** None

# ELCT070
**Introduction to Electrical Systems**
**Units:** 3.5
This course provides an overview of career pathways within the electrical and electronic industries for program graduates. Students will explore employment preparation strategies, including resume development, interview best practices, and professional expectations. Additional topics include job site safety, workplace conduct, regulatory agencies governing the electrical industry and their operational impact, and an introduction to basic electrical mathematics, including tape measure usage and fractional calculations.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT074
**Lab and General Safety Practices, and Conduit bending**
**Units:** 3.5
This course provides students with fundamental safety practices for both job sites and laboratory environments when working with hand tools, electrical devices, and test equipment. It introduces the proper selection and use of Personal Protective Equipment (PPE) for various workplace and laboratory situations. Students will also learn to use test equipment effectively for troubleshooting electrical faults and gain hands-on experience in conduit bending using industry-standard formulas and techniques.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT075
**Wiring Methods- Residential, Commercial, and Industrial**
**Units:** 3.5
Students will be taught standard wiring methods as recognized by the National Electrical Code. This a hands on wiring experience covering residential, commercial, and industrial wiring practices. Troubleshooting the electrical circuits built by students is an integral part of the learning process as is electrical safety.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT077
**Circuit Controllers and Distribution Systems**
**Units:** 3.5
Students will learn to apply the National Electrical Code (NEC) in the installation, maintenance, and testing of electrical systems. The course introduces the fundamentals of electrical controls, including magnetic starters, electronic controllers, and programmable logic controllers (PLCs). Emphasis is placed on the use of NFPA 70 standards to guide the design, installation, maintenance, and inspection of electrical systems, as well as on developing a clear understanding of distribution systems and their essential components.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT078
**National Electrical Code Part 2**
**Units:** 3.5
Students will learn to apply the National Electrical Code (NEC) to the installation, maintenance, and testing of electrical systems. Topics include electromagnetic energy, transformer operation and sizing, wiring methods, voltage drop calculations, and equipment installation requirements. The course also introduces fire alarm and security alarm systems, voice/data/TV and signaling systems, lightning protection, fiber optics, and basic HVAC and refrigeration electrical controls.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT079
**Grounding and Bonding**
**Units:** 3.5
Students will learn to use the National Electrical Code (NEC) to guide the installation, maintenance, and testing of electrical systems. The course covers grounding and bonding principles including equipment grounding and earth ground requirements, as well as, the fundamentals of electrical equipment maintenance in accordance with NFPA 70B standards.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT090
**Blueprint Reading**
**Units:** 3.5
Students will learn to apply the National Electrical Code (NEC) in the installation, maintenance, and testing of electrical systems. The course introduces the fundamentals of electrical controls, including magnetic starters, electronic controllers, and programmable logic controllers (PLCs). Emphasis is placed on the use of NFPA 70 standards to guide the design, installation, maintenance, and inspection of electrical systems, as well as on developing a clear understanding of distribution systems and their essential components.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT102
**Direct Current Fundamentals**
**Units:** 3.5
In this course, students will explore the fundamentals and applications of direct current (DC) systems. Topics include conductors, insulators, basic circuit design, and the application of physical laws to simple DC circuits. At the introductory level, students will examine the relationship between voltage, current, and resistance, and apply electrical formulas to calculate unknown values in basic DC circuits.
**Transferability:** Transferable to CSU only

**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT103

**Alternating Current Fundamentals**
**Units:** 3.5
This course introduces the fundamental principles and applications of alternating current (AC) circuits in comparison to direct current (DC) circuits. Topics include the generation, transmission, and distribution of AC power, along with its practical applications in residential, commercial, and industrial systems.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

# ELCT106

**Alternative Energy Solutions**
**Units:** 3.5
Students will study alternative energy systems, including wind, hydro, and photovoltaic (solar) technologies. The course explores system requirements, design principles, configurations and installation techniques, and the implementation of photovoltaic systems in commercial and industrial applications.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 27
**Requisites:** None

## ELECTRONICS TECHNOLOGY

# ETEC110

**DC Circuits**
**Units:** 3
This course is an in-depth study of Direct Current (DC) electronic circuits. Students will learn how to interpret and create electrical schematics. Other topics include Ohm's Law, Kirchhoff's Laws, resistance, capacitance, and inductance. Lab activities will include the use of multimeters, power supplies, and oscilloscopes; building and analyzing common DC Circuits; and validating theoretical calculations by testing circuit performance.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 48 **Lab Hours:** 18
**Requisites:** None

# ETEC120

**AC Circuits**
**Units:** 3
This course is an in-depth study of Alternating Current (AC) electrical circuits. This course focuses on the math describing AC circuits, specifically the relationships between impedance, resistance, and reactance. Students will use these concepts to anticipate power factors and learn how to mitigate large inductive loads. Students will design, analyze, build, and test resistance/conductance/capacitance (RLC) circuits, inductance motor drivers, and filter circuits for audio signals. Lab work will include validating theoretical calculations by building circuits and testing them for expected performance.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 48 **Lab Hours:** 18
**Requisites:** Prerequisite
ETEC110
DC Circuits

# ETEC130

**Programmable Logic Controllers**
**Units:** 3
Students will learn how to connect Programmable Logic Controllers (PLCs), upload and backup programs, and obtain diagnostic data from operational PLCs. Students will interpret and draw ladder logic diagrams, and document and implement control processes using ladder logic programming on PLCs. Course activities will include connecting various process sensors to PLC inputs as well as connecting relays to outputs to drive motor contactors, indicators, and handshaking.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Advisory
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better.

## EMERGENCY MEDICAL TECHNICIAN

# EMTEC101

**Emergency Medical Technician**
**Units:** 12.5
The Emergency Medical Technician (EMT) Certification Course prepares individuals for EMT certification by meeting National, State, and County EMS requirements. Students will be ready to take the National Registry Exam and receive training specific to Orange County EMS (OCEMS). Key topics include patient assessment, airway management, CPR, trauma care, and considerations for pediatric and geriatric patients, with an emphasis on hands-on training through practical labs and simulations. Assessment involves quizzes, exams, and practical evaluations, and upon completion, students earn a certificate and can sit for the National Registry Exam, gaining essential skills and professionalism for the EMS field.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 171 **Lab Hours:** 167
**Requisites:** None

# ENGINEERING

## ENGR197
**Science, Technology, Engineering and Mathematics (STEM) Internship**
**Units:** 1-4
This is an Internship of supervised paid or unpaid work experience in the students major which could include new or expanded responsibilities. 75 hours paid work or 60 hours of unpaid work equals one unit. A maximum of 4 units is allowed per semester. Limitation of 16 units in occupational cooperative education courses. May require field experience. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:** Successful completion of 10 units in the following subjects: engineering, physics, computer science, or math.
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 60-240
**Requisites:** None

## ENGR200
**Computational Methods in MATLAB**
**Units:** 4
Using MATLAB to analyze and solve problems relevant to science and engineering. Introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Content is drawn from practical applications in engineering, physics, and mathematics.and engineering.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
MATH180
Single Variable Calculus I - This course is now MATHC2210
**OR**
Prerequisite
MATH180H
Honors Single Variable Calculus I - This course is now MATHC2210H
**OR**
Prerequisite
MATH180S
Single Variable Calculus I with Integrated Support - This course is now MATHC2210E

## ENGR220
**Statics**
**Units:** 3
An introductory course on the analysis of forces acting on objects and structures in equilibrium. Topics include equilibrium of particles, forces and friction, and static equilibrium of rigid bodies.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH185
Single Variable Calculus II - This course is now MATHC2220
**AND**
Prerequisite
PHYS250A
Physics for Scientists and Engineers I

## ENGR225
**Dynamics**
**Units:** 3
Fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include Newtons laws of motion, kinematics of particles, planar and three dimensional motion of rigid bodies, conservation principles, and an introduction to vibrations.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGR220
Statics

## ENGR230
**Network Analysis**
**Units:** 5
An introductory course on the modeling and analysis of electrical networks. Topics include basic network theorems, steady state analysis, Laplace and Fourier transforms.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 54
**Requisites:**
Prerequisite
PHYS250B
Physics for Scientists and Engineers II
**AND**
Co-Requisite
MATH287
Introduction to Linear Algebra and Differential Equations
or prior completion
**OR**
Co-Requisite
MATH295
Differential Equations
or prior completion

# ENGLISH

## ENGLC1000
**Academic Reading and Writing**
**Units:** 4
***Part 1:*** 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. Part 2: In addition to the research paper, this course emphasizes expository and argumentative essays, allowing students to gain familiarity with composing in a variety of academic, professional, and civic contexts, including digital environments. ***Formerly:*** ENGL101, Freshman Composition (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0

**Requisites:** Prerequisite
Part 1: Placement as determined by the colleges multiple measures assessment process
**OR**
Prerequisite
ACE116
Introduction to Academic Composition Part 2

# ENGLC1000H

**Academic Reading and Writing - Honors**
**Units:** 4
***Part 1***: 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. This is an honors course. Part 2: In addition to the research paper, this course provides an enriched exposure to expository and argumentative essays, requiring in-depth analysis of issues and substantive treatment of student-selected topics. ***Formerly:*** ENGL101H, Honors Freshman Composition (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** Prerequisite
***Part 1:*** Placement as determined by the college's multiple measures assessment process
**OR**
Prerequisite
ACE116
Introduction to Academic Composition
Part 2

# ENGLC1001

**Critical Thinking and Writing**
**Units:** 4
***Part 1:*** 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. Part 2: Additional emphasis will be on logical reasoning and analytical skills necessary for critical writing. The course will include studying established argumentative methods and models and applying them to contemporary issues. Formerly: ENGL103, Critical Thinking and Writing (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** Prerequisite
College-level composition (ENGL C1000/ENGL C1000H/C-ID ENGL 100) or equivalent

# ENGLC1001H

**Critical Thinking and Writing - Honors**
**Units:** 4
***Part 1:*** 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. This is an honors course. Part 2: In addition, this course will emphasize an enriched and intensive exploration of historical and contemporary issues as well as student-initiated discussion and problem-solving in a seminar setting. Formerly: ENGL103H, Honors Critical Thinking and Writing (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
College-level composition (ENGL C1000/ ENGL C1000H/C-ID ENGL 100) or equivalent
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors
College-level composition (ENGL C1000/ ENGL C1000H/C-ID ENGL 100) or equivalent

# ENGLC1003

**Critical Thinking and Writing Through Literature**
**Units:** 4
In this course, students receive instruction in analytical, critical, and argumentative writing. Students develop critical thinking, close reading and literary analysis skills, research strategies, information literacy, and knowledge of accurate documentation through the study of diverse literary works from a variety of literary genres, developing an appreciation for literature.
***Part 2: Former Title:*** ENGL 102, Literature and Composition (Fall 2026)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGLC1003H

**Critical Thinking and Writing Through Literature - Honors**
**Units:** 4
In this course, students receive instruction in analytical, critical, and argumentative writing. Students develop critical thinking, close reading and literary analysis skills, research strategies, information literacy, and knowledge of accurate documentation through the study of diverse literary works from a variety of literary genres, developing an appreciation for literature. This is an honors course.
***Part 2: Former Title:*** ENGL 102, Literature and Composition
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000

Academic Reading and Writing
Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors
Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.

# ENGL213
**Creative Writing**
**Units:** 3
This course offers an introduction to writing techniques focusing on the four literary genres: poetry, drama, short story, and personal memoir. Class will be conducted in a workshop format with an emphasis on writing and critiquing.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL231
**Survey of English Literature I**
**Units:** 3
Introductory study of representative selections of British literature from the Anglo-Saxon period to the neo-classical period. Emphasis on authors best exemplifying their period, such as Chaucer, Shakespeare, Spenser, Jonson, Milton, Donne, Dryden, Johnson, Behn, Pope, and others.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL232
**Survey of English Literature II**
**Units:** 3
Introductory study of representative selections from the English Romantic Movement to the present. Emphasis on those authors best exemplifying their period, such as Blake, Wordsworth, Coleridge, Byron, the Shelleys, Keats, Tennyson, Arnold, Carlyle, the Brownings, Dickens, the war poets, Yeats, Wilde, Woolf, Joyce, Lawrence, Mansfield, and Larkin.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL233A
**Shakespeare's Comedies and Romances**
**Units:** 3
Study of a select number of plays to discover how Shakespeare uses the genres of comedy and romance to explore the human condition as it relates to historical, philosophical, social, political, and aesthetic contexts. Augmented by films and, if available, appropriate field trips. Different selections in English 233A and 233B. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL233B
**Shakespeare's Tragedies and History Plays**
**Units:** 3
Study of a select number of plays to discover how Shakespeare uses tragedy and history plays to explore the human condition as it relates to historical, philosophical, social, political, and aesthetic contexts. Augmented by films and, if available, appropriate field trips. Different selections in English 233A and 233B.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL241
**Survey of American Literature, 1600-1865**
**Units:** 3
This course provides a survey of Americas greatest works of literature from 1600-1865, emphasizing the relationship between various works and general movements in American culture and literary history.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0

**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL242

**Survey of American Literature, 1865-Present**
**Units:** 3
The course provides a survey of Americas greatest works of literature and their contributions to the American culture from 1865 to present, emphasizing the relationship between literary and intellectual history.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL270

**Children's Literature**
**Units:** 3
This course offers a study of literature for children, emphasizing the history, trends, issues, and evaluation of all major genres: picture books, poetry, drama, traditional literature, non-fiction, and fiction, including full-length works.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL271

**Survey of World Literature I**
**Units:** 3
Survey of selections from world masterpieces from the beginnings of writing through the 1600s. Literary works studied in historical context for artistic form, influence on their and others cultures, and general contribution to understanding human experience.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL272

**Survey of World Literature II**
**Units:** 3
Survey of world literary masterworks since the Renaissance studied for artistic form, cultural influence, and contributions to modern and contemporary thought.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL278

**Survey of Literature by Women**
**Units:** 3
A historical survey of literature by women, including short stories, novels, plays, poetry, and non-fiction.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# ENGL279

**Survey of Latine Literature**
**Units:** 3
Examines Latine literary movements of the largest racial-ethnic minority in the United States. Studies the historical, sociopolitical, and cultural concerns of Latin communities and discusses how these texts continue to shape and inform the ongoing debates surrounding citizenship, belonging, and space-based identities. (Formerly English 246)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H

Academic Reading and Writing - Honors

# ENGL280

**Literature of the African Diaspora**
**Units:** 3
A survey of African, African American, and Afro Caribbean literature from pre-colonialism to the present. Literature, such as autobiographical works, poetry, short stories, drama, folk tales, novellas, and novels, will be included to introduce and explore the qualities of African, African American, and Afro Caribbean writing. This course will examine the historical, sociopolitical, and cultural complexities in African literature and in the literature of the African diaspora.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

## ETHNIC STUDIES

# ETHN101

**Introduction to Ethnic Studies**
**Units:** 3
This introductory course will take an intersectional and interdisciplinary approach to the examination of the cultural, economic, educational, and political issues that impact the four historically racialized groups (Native Americans, African Americans, Asian Americans, and Latinx Americans) within the United States. This course will analyze how racial formations have been constructed and contested, as well as, provide theories and tools to understand and combat racism across multiple relations of power.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
SOC101
Introduction to Ethnic Studies

# ETHN104

**La Mujer: Life and Experience**
**Units:** 3
This course is an introduction to the study of Chicanas/Latinas in American society from historical, interdisciplinary, and intersectional approaches. Emphasis is placed on Chicana/Latina feminist theory and discourse, the social construction of gender, cultural representations, borderlands and migration, labor and class, patriarchy and machismo as historically produced social structures, resistance and activism, violence, health, and the search for power and self-definition. The course examines literature, art, oral history, film, and community knowledge as sites through which Chicanas/Latinas interpret, challenge, and transform dominant narratives. This course is designed for all students interested in Ethnic Studies, Gender, Sexuality, and Women's Studies, as well as those interested in Chicana/o and Latina/o Studies. Field trips and community-based activities may be required (No credit if student has taken GSWS 104).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
GSWS104
La Mujer: Life and Experience

# ETHN105

**Women of Color in the US**
**Units:** 3
This course is an interdisciplinary, multi-perspective, and comparative study of the intersectional experiences of women of color in the United States, including African American, Asian American Pacific Islander, Latina, and Native American women. The constructs of race, ethnicity, class, gender, and sexuality as they relate to social institutions and national ideologies will be explored. Analyses of the historical, political, sociological, and economic influences which have informed the relationships between women of color and white women in the US is foundational to this course. Field trips may be required. (No credit if student has taken GSWS 105).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
GSWS105
Women of Color in the US

# ETHN110

**Introduction to Asian Pacific American Studies**
**Units:** 3
This introductory course will take an intersectional and interdisciplinary approach to the examination of the cultural, economic, educational, and political issues that may impact Asian and Pacific Islander Americans. Topics that will be addressed include, but are not limited to, Asian Pacific American history, identity construction, gender, class, sexual orientation, religion, language, stereotypes, sovereignty, anti-Asian violence, generational status, immigration, labor, and social justice, and liberation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ETHN120

**Introduction to African American Studies**
**Units:** 3
This introductory course will take an intersectional and interdisciplinary approach to the examination of the cultural, economic, educational, and political issues that may impact African Americans. Topics that will be addressed include, but are not limited to, origins of African American/Africana Studies, African American history, gender, class, sexual orientation, religion, family dynamics, educational attainment, labor, empowerment, anti-racism, and liberation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None

**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ETHN130

**Introduction to Chicano Studies**
**Units:** 3
This introductory course will take an intersectional and interdisciplinary approach to the examination of the cultural, economic, educational, and political issues that may impact Chicanas/os/x/e. Topics that will be addressed include, but are not limited to, Chicano history, identity construction, gender, class, sexual orientation, religion, language, educational attainment, generational status, immigration, labor, decolonization, and liberation. Former Title: CHST 101, Introduction To Chicano Studies (2020)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# ETHN140

**Introduction to Native American Studies**
**Units:** 3
This introductory course will take an intersectional and interdisciplinary approach to the examination of the cultural, economic, educational, and political issues that may impact Native Americans. Topics that will be addressed include, but are not limited to Native American history, languages, gender, sexual orientation, class, labor, health, land conflicts, sovereignty, stereotypes, anti-Indigenous violence, identity construction, tribal recognition, cultural permanence, decolonization, self-determination, and liberation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## FRENCH

# FREN101

**Elementary French 1**
**Units:** 5
A college-level French course focusing on fundamentals of pronunciation, grammar, basic vocabulary, idioms, and simple conversation and composition, including supplementary cultural readings. French 101 is equivalent to two years of high school French.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:** None

# FREN102

**Elementary French II**
**Units:** 5
A college-level French course focusing on further training in pronunciation, more extensive vocabulary development, conversation, grammar, reading, and composition. French 102 is equivalent to the third year of high school French. Additional hours in the Modern Language Lab required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
FREN101
Elementary French 1
or two years of high school French with a grade of C or better

# FREN194

**Conversation and Composition I**
**Units:** 3
Course emphasizes extensive practice in oral expression and listening comprehension in the context of French culture, daily life, and topics of current interest.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
FREN101
Elementary French 1
or two years of high school French with a grade of C or better

# FREN201

**Intermediate French I**
**Units:** 5
A college-level French class focusing on expansive review of usage and grammar, discussion in French of interpretive reading material, and conversation and composition.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
FREN102
Elementary French II
or three years of high school French with a grade of C or better

# FREN202

**Intermediate French II**
**Units:** 5
A college-level French class focusing on a specialized review of grammar and composition; discussion in French of history and culture based on literary materials.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
FREN201
Intermediate French I
or four years of high school French with a grade of C or better

# GEMOLOGY

## GEM011
**Introductory Colored Stones**
**Units:** 4
Introduction to identification, appreciation, and evaluation of colored gemstones. Overview of the world colored-stone industry. Experience using gemological testing equipment and procedures to identify the most commonly seen varieties of natural and synthetic-fashioned gemstones.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

## GEM012
**Advanced Colored Stones**
**Units:** 4
Advanced identification, appreciation, and evaluation of colored gemstones. Overview of the world colored-stone industry. Further experience using gemological testing equipment to identify the most commonly seen varieties of both natural and synthetic-fashioned gemstones.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Advisory
GEM011
Introductory Colored Stones

## GEM015
**Colored Stones and Diamond Lab**
**Units:** 1
Laboratory experience in testing and identification of colored gemstones and/or full grading of diamonds for clarity, color, cut and carat weight.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** Advisory
Previous or concurrent enrollment in another Gemology course

## GEM020
**Diamonds**
**Units:** 4
Full range of diamond grading techniques, history, diamond substitutes, physical and optical properties, all types of synthetic, techniques of valuing/pricing, famous diamonds, detecting enhancements.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

## GEM030
**Antique and Period Jewelry**
**Units:** 3
The history, techniques, styles, and periods of antique and period jewelry. Identification of period pieces from Georgian to Retro, including authentic vs. reproductions. Includes types of metals and materials, stone cutting, setting techniques, and types of gemstones used.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## GEM050
**Pearls**
**Units:** 3
Introduction to the history, appreciation, and evaluation of natural and cultured pearls, including an overview of the world pearl industry. Pearl identification and grading techniques covering the physical and optical properties for judging the luster, surface, shape, color, and size of the various types.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GENDER SEXUALITY WOMEN STUDIES

## GSWS101
**Introduction to Women's Studies**
**Units:** 3
An intersectional analysis of women's experiences drawing upon feminist scholarship, theory, and research to examine women's experiences in the workplace, politics, family, and the media. This class examines the dynamics of power across the race, gender identity, sexuality, class, and national groups. Field trips may be required. Previous Title: Womens Studies 101, Introduction to Womens Studies (2018)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## GSWS102
**Money, Sex, and Power**
**Units:** 3
Examination of womens roles in America. Emphasis on employment, family structures, and personal development. Topics include historical patterns, socialization, opportunities, sexism, identity, growth, law, unionization, sexual harassment, media influence, family pressures, child care, guilt, stress. Previous Title: Womens Studies 102, Women in America: Work, Family, Self (2018)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GSWS103
**Men and Masculinities**
**Units:** 3
This interdisciplinary course utilizes an intersectional lens to understand the social construction of masculinity in the context of media, sports, fraternities, families, men's movements, and social and political institutions. This course critically analyzes how male identities are constructed and negotiated through examining theories of gender, sexuality, class, race/ethnicity, and different dimensions of difference.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GSWS104
**La Mujer: Life and Experience**
**Units:** 3
This course is an introduction to the study of Chicanas/Latinas in American society from historical, interdisciplinary, and intersectional approaches. Emphasis is placed on Chicana/Latina feminist theory and discourse, the social construction of gender, cultural representations, borderlands and migration, labor and class, patriarchy and machismo as historically produced social structures, resistance and activism, violence, health, and the search for power and self-definition. The course examines literature, art, oral history, film, and community knowledge as sites through which Chicanas/Latinas interpret, challenge, and transform dominant narratives. This course is designed for all students interested in Ethnic Studies, Gender, Sexuality, and Women's Studies, as well as those interested in Chicana/o and Latina/o Studies. Field trips and community-based activities may be required (No credit if student has taken ETHN 104).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
ETHN104
La Mujer: Life and Experience

# GSWS105
**Women of Color in the US**
**Units:** 3
This course is an interdisciplinary, multi-perspective, and comparative study of the intersectional experiences of women of color in the United States, including African American, Asian American Pacific Islander, Latina, and Native American women. The constructs of race, ethnicity, class, gender, and sexuality as they relate to social institutions and national ideologies will be explored. Analyses of the historical, political, sociological, and economic influences which have informed the relationships between women of color and white women in the US is foundational to this course. Field trips may be required. (No credit if student has taken ETHN 105).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
ETHN105
Women of Color in the US

# GEOGRAPHY AND THE ENVIRONMENT

# GEOG100
**World Regional Geography**
**Units:** 3
The study of major world political and natural regions. The location of the regions on earth, the physical and cultural elements that lend the regions with their identities, and ways in which these elements related to the regions' inhabitants and economies.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG100H
**Honors World Regional Geography**
**Units:** 3
Enriched and intensive study, including seminar approach with individual written and oral presentations of major world political and natural regions. The location of the regions on earth, the physical and cultural elements which provide the regions with their identity and ways in which these elements relate to the regions' inhabitants and economies.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG101
**Introduction to the Natural Environment**
**Units:** 3
Introduction to the physical elements of geography: maps, earth/sun relationships, meteorology and climatology, natural vegetation, soils, and geomorphology. Former Title: Physical Geography (2021)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG101H
**Honors Introduction to the Natural Environment**
**Units:** 3
Introduction to the physical elements of geography: maps, earth/sun relationships, meteorology and climatology, natural vegetation, soils, and geomorphology. Former Title: Honors Physical Geography (2021)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG101L
**Introduction to the Natural Environment Laboratory**
**Units:** 1
Laboratory exercises and experiments designed to explore and understand the primary areas of physical geography. Exercises and applications related to map scales and projections, stereoscopic, topographic and aerial photo interpretation, meteorological tools and models and weather

prognostication, geomorphologic models and processes, and landform interpretation. Field trips may be required. Former Title: Physical Geography Laboratory (2021)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:**
Prerequisite
GEOG101
Introduction to the Natural Environment
or concurrent enrollment
**OR**
Prerequisite
GEOG101H
Honors Introduction to the Natural Environment
or concurrent enrollment

# GEOG102
**Cultural Geography**
**Units:** 3
An introductory survey of the geography of culture, and the influences of the physical environment on culture, along with the impact of human activity on the environment, and the role of culture within societies and social groups. The course includes global patterns of population, migration, religion, language, agriculture, politics, customs, resources, and urban and rural settlement.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG102H
**Honors Cultural Geography**
**Units:** 3
An enriched and intensive study, including seminar approach with individual written and oral presentations on the geography of culture, and the influences of the physical environment on culture, along with the impact of human activity on the environment, and the role of culture within societies and social groups. The course includes global patterns of population, migration, religion, language, agriculture, politics, customs, resources, and urban and rural settlement.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG130
**Introduction to Weather and Climate**
**Units:** 3
This course examines Earths weather and climate patterns from a geographic perspective. Students explore the basic principles of weather and climate as well as causes and effects. Emphasis is placed on understanding various elements and controls of weather and climate. Techniques and principles involved in interpreting weather data, weather charts and maps, and weather forecasting will also be introduced. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG130H
**Honors Introduction to Weather and Climate**
**Units:** 3
Enriched and intensive study, including seminar approach with individual written and oral presentations on Earths weather and climate patterns from a geographic perspective. Students explore the basic principles of weather and climate as well as causes and effects. Emphasis is placed on understanding various elements and controls of weather and climate. Techniques and principles involved in interpreting weather data, weather charts and maps and weather forecasting will also be introduced. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG140
**California Geography**
**Units:** 3
A thematic approach to Californias geographical issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical and human landscapes that have evolved as a result of the human-environment interface. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
GEOG100
World Regional Geography
**OR**
Advisory
GEOG100H
Honors World Regional Geography

# GEOG150
**Exploring Maps and Geographic Technologies**
**Units:** 3
This class is an introduction to maps, images, and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), Internet mapping, remote sensing, and Geographic Information Systems (GIS), all of which aid in data collection, analysis, and presentation. Field trips may be required.
***Previous Title:*** Map Interpretation and Analysis (2017)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# GEOG155
**Introduction to Geographic Information Systems**
**Units:** 3
This course introduces basic scientific principles of Geographic Information Systems (GIS) as they relate to working with data that have important spatial orientation and organization. Geographic concepts and theories are used to develop scientific methods for proper communication of the data and the solution of problems that have spatial

relationships. The adaptability of GIS to a wide variety of applications useful for many disciplines is presented. The course covers basic concepts in mapping and orientation, the development of map scales and comparison of different coordinate systems and data error analysis.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Familiarity with PC and Windows operating environment
**Limitations on Enrollment:** None
**Lecture Hours:** 45 **Lab Hours:** 27
**Requisites:**
Anti-Requisite
SURV155
Introduction to Geographic Information Systems

# GEOG160

**Regional Field Studies**
**Units:** 1
This field studies course analyzes the cultural and physical geography of a region. Students will observe and interpret the physical and cultural processes of the region. Topographical maps will be utilized to interpret land use and terrain. Specific content will vary by geographic region. Field Trips are required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

## HISTORY

# HIST099

**Humanities: What, Why & How to Succeed**
**Units:** 1
An introduction to the general concept of the humanities and its various disciplines: history; philosophy; religion; literature; the arts, as well as how they interrelate. Students will develop critical thinking, speaking, and writing skills through presentations, discussions, and both informal and formal compositions. Students will gain academic support and acquire skills and strategies that apply to disciplines within the Humanities Guided Pathway.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
PHIL099
Humanities: What, Why & How to Succeed

# HIST101

**World Civilizations to the 16th Century**
**Units:** 3
Examines the development of world civilizations and their interrelationships through analysis of their basic ideas, institutions, personalities, and artistic achievements from the earliest beginnings to the sixteenth century.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST101H

**Honors World Civilizations to the 16th Century**
**Units:** 3
An enriched approach designed for honors students that includes individual research as well as small group analysis of historical problems. Examines the development of world civilizations and their interrelationships through analysis of their basic ideas, institutions, personalities, and artistic achievements from the earliest beginnings to the sixteenth century.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST102

**World Civilizations Since the 16th Century**
**Units:** 3
Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Includes ideas, institutions, personalities, and artistic achievements which have contributed to present day society.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST102H

**Honors World Civilizations Since the 16th Century**
**Units:** 3
An enriched approach designed for honors students with emphasis on individual research as well as small group analysis of historical problems. Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Ideas, institutions, personalities, and artistic achievements which have contributed to present day society.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST113

**Global History of Disease and Public Health**
**Units:** 3
Global historical survey of disease, healing, and public health from antiquity to the present. Topics include ancient healing traditions, pandemics, imperial medicine, vaccination campaigns, and the emergence of modern care norms and international health organizations. Includes consideration on cross-cultural exchange and the relationship between health, environment, and empire. This course examines historical developments that shaped global health practice, including epidemic response across time periods, colonial and postcolonial medical systems, international health campaigns, and diverse cultural traditions of healing. Nursing-relevant topics include the roles of women in healthcare over time, maternal health systems in various regions, and the place of international organizations in creating standards that framed modern nursing and public health practice. These topics apply both to future healthcare professionals and general history students.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None

**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST115
**African American History**
**Units:** 3
This course surveys African-American history from the 1500s to the present day. It addresses the history of African societies on the eve of the Atlantic slave trade, the Atlantic slave trade, the emergence of racism and the notion of race in colonial America, slavery in the colonies and the U.S., abolitionist movements, African Americans in the Civil War, Reconstruction and its end, the era of Jim Crow, the Civil Rights movement, the persistence of systems of inequality into the present day. The course explores in detail the history of systemic racism while paying particular attention to the actions of African Americans to arrest and overcome it. It emphasizes the history of African American impact on the social, economic, political, and cultural development of the United States.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST118
**Social and Cultural History of the United States**
**Units:** 3
Examines social and cultural traditions during major historical periods. Focuses on American attitudes and responses to economic and technological changes, aesthetics, politics, music, art, language, architecture, folklore, high and popular culture.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST124
**Mexican American History in the United States**
**Units:** 3
Survey of Mexican history from the Pre-Columbian period to the present, and history of Mexican-Americans since 1848. Emphasis on Mexican-American contributions to the political, social, economic, and cultural development of the U.S. Examine the relationship of Mexican-Americans to other cultural groups.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST125
**Native Americans in the U.S.**
**Units:** 3
An historical and contemporary survey of Native Americans in the United States, examining the diverse and complex cultural, religious, and political systems which governed Indigenous societies before and after European contact and colonization. including the development of tribes and nations, and the cultural practices of Native Americans today.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST127
**Women in U.S. History**
**Units:** 3
This course introduces students to the history of womens work, family, and political lives in America and the United States since 1620. Secondary and primary source readings emphasize the experiences of women across racial, ethnic, social, and economic identities within the contexts of historical change in the U.S. Womens history is presented as an integral part of American history while also as a unique subject of historical investigation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST129
**LGBTQ+ History in the U.S.**
**Units:** 3
This course explores LGBTQ+ history in the United States from the colonial era to the recent past. Historical development of institutions, ideas, social transformations, cultural movements, liberation politics, and sexual and gender diversity in the U.S. will be studied. Students will work with scholarly texts and a variety of primary documents, honing historical analysis, critical thinking, and writing skills.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST130
**Asian American & Pacific Islander History**
**Units:** 3
Introduction to the history of Asian Americans and Pacific Islander focusing on Asian American experiences from the eighteenth century to the present. Includes issues of migration, community formation, racism and resistance, the lives of workers, the experiences of women, imperialism, the influence of the historical narrative, global politics and economics, and struggles for equality and justice.identity and positionality as they relate to race and ethnicity, socioeconomic class and labor, national origin, mixed heritages, religion/spirituality, generation, and ability. Explores Asian American and Pacific Islander experiences via theoretical frameworks and historical, social, cultural, political, legal, and environmental contexts, including colonialism and decolonization, immigration, activism and resistance utilizing primary sources and oral history.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST132
**Modern African History**
**Units:** 3
This course surveys sub-Saharan African history from 1850 to the present, addressing such topics as the end of the slave trade; African resistance to conquest; experiences of colonialism; settler colonialism

in southern Africa; the rise of national liberation movements and achievement of independence; and the challenges of post-colonial nation building. It examines contemporary Africa through a review of economic, political, social, cultural, and intellectual history.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST133
**History of California**
**Units:** 3
An examination of the major social, political, and economic developments that have shaped California history from the indigenous period to the present. Special attention given to regional issues, ethnic or cultural groups, constitutional matters, cultural change, and California's connection with the Pacific Basin.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST140
**Islamic History**
**Units:** 3
The History of Islam and basic themes in Muslim societies in the Middle East, Asia, Africa, Europe, and the Americas. Examination of Islam as a religion, and its ritual, legal, mystical, and philosophical traditions. It assesses the historical impact of Islam and Islamic societies with a focus on the period from the time of the Prophet Muhammad (ca. 7th century CE) to the present contextualizing historical and contemporary topics relating to Islam and Muslims including global political and military movements, regional influences, social and economic impact, gender, culture, and the belief systems within the historical lens.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST142
**History of the Modern Middle East**
**Units:** 3
Introduction to narratives and debates in the history of the Middle East (Near East) from the mid-eighteenth century to the present. Local, regional, and global events and processes; political, social, cultural, and intellectual realities. Focusing on the major social and intellectual trends of the Arab world, Iran, Turkey, and Israel and their relation to major events and movements of the twentieth century. The influence of colonial, postcolonial, and neo-colonial thought; ways in which such struggles shaped peoples social lives and futures; the causes and implications of current affairs.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST152
**Latin American History**
**Units:** 3
A survey of Latin American History from the Indian and European origins to the 21st century with a focus on the historical background of the countries studied. Emphasis placed upon the interplay of Iberian, African and Indian influences upon social and cultural evolution. Also stressed are the Latin American relations with the United States in the 19th and 20th centuries.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST162
**Asian Civilizations**
**Units:** 3
This course examines South, Central and East Asia, tracing the emergence and rules of foundational religious and philosophical traditions, statecraft, cultural production, and interactions that have connected societies in Asia to each other and to the rest of the world. The course will consider the introduction of external religions and ideas, especially in the ways Asian societies adopted, altered, and rejected them in pursuit of unique political, social, economic, or religious goals. The dynamics of inter-regional interaction occurring on a global scale is central to the course's areas of focus, and students analyzes the processes by which ideas, people, products, practices, and skills have circulated within and across local, regional and national boundaries. The lasting impact over time of Asian polities, societies, and ideas on the rest of the globe is also examined in this course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST172
**Jewish History**
**Units:** 3
This course presents a wide-ranging exploration of the history of Jewish people across global regions from ancient times to the recent past. It provides students a foundation in understanding the key events, transformations, and traditions that have shaped Jewish communities around the world over time. Jewish experiences in the Mediterranean, Middle East and North Africa, Europe, and the Americas are examined, with attention to the diversity of Jewish cultures and to changing temporal contexts. Political, intellectual, cultural, and social history are at the center of the sources and narratives which students interpret as they consider questions on themes that include identity, agency, community, religion, and diaspora.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HIST199
**History Independent Study**
**Units:** 1
Students will increase knowledge in particular areas of history through individual study and/or in small groups under the direction of a history professor. History majors, Humanities Pathway students, History Global Studies Certificate students, and future teachers are encouraged to enroll in Independent Study for History after pursuing other History coursework. Divisional approval required. Instructor approval required. Two prior history courses required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** Enrollment in at least one other class at either Santa Ana College or Santiago Canyon College and must show evidence of competence in their academic major and the area in which they propose to do independent study.
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Prerequisite
HIST101
World Civilizations to the 16th Century
Or any other history course.
**AND**
Prerequisite
HIST102
World Civilizations Since the 16th Century
Or any other history course.

# HISTC1001
**United States History to 1877**
**Units:** 3
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.
***Former Title:*** The United States History to 1817 (Fall 2025).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HISTC1001H
**United States History to 1877 - Honors**
**Units:** 3
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. This is an honors course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HISTC1002
**United States History since 1865**
**Units:** 3
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. Former Title: The United States since 1865 (Fall 2025)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HISTC1002H
**United States History since 1865 - Honors**
**Units:** 3
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. This is an honors course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## INFORMATION STUDIES

# INFO100
**Library Research Fundamentals**
**Units:** 1
This course is an introduction to academic level research skills for effective use of traditional and electronic library resources. Instruction includes print and non-print information sources such as reference books, scholarly material, online subscription databases, and the Internet. Former Title: LIBI 100, Library Research Fundamentals (Fall 2020)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# INFO100H
**Honors Library Research Fundamentals**
**Units:** 1
This course is an introduction to academic level research skills for effective use of traditional and electronic library resources. Instruction includes print and non-print information sources such as reference books, scholarly material, online subscription databases and the Internet.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# INFO103
**Researching in the Digital Age**
**Units:** 1
Learn essential library research strategies for effectively locating and evaluating online information, including AI generated content, on the Internet. Core topics are designing and performing successful search strategies, evaluating online information using critical thinking skills, identifying the ethical and legal aspects of using online sources, and citing web sources using a standard documentation style. Former Title: LIBI 103, Advanced Internet Research (Fall 2020)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0

**Requisites:** None

# INFO103H

**Honors Researching in the Digital Age**
**Units:** 1
Learn essential library research strategies for effectively locating and evaluating online information, including AI generated content, on the Internet. Core topics are designing and performing successful search strategies, evaluating online information using critical thinking skills, identifying the ethical and legal aspects of using online sources, and citing web sources using a standard documentation style. Former Title: LIBI 103, Advanced Internet Research (Fall 2020)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# INFO105

**AI Literacy**
**Units:** 2
This course introduces students to the foundational concepts, ethical considerations, and practical applications of artificial intelligence (AI) in everyday life, education, and the workplace. INFO 105 emphasizes critical thinking, digital literacy, and responsible information use in AI-powered environments. Students will explore topics such as generative AI tools, algorithmic bias, data privacy, and the impact of AI on research, creativity, and decision-making, as well as the ethical concerns and ramifications of the field. Through hands-on activities and discussions, students will develop the skills to evaluate, interact with, and use AI technologies responsibly and effectively.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

## INTERDISCIPLINARY STUDIES

# IDS155

**Human Sexuality**
**Units:** 3
An interdisciplinary review of the biological, historical, social, and psychological influences on human sexuality across the lifespan. This course will more closely focus on the gender spectrum, anatomy, sexual orientations, attraction, love, reproduction, conception, contraception, sexually transmitted infections, sexual coercion, and overall sexual health.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## ITALIAN

# ITAL101

**Elementary Italian I**
**Units:** 5
A college-level Italian course focusing on fundamentals of pronunciation, grammar, basic vocabulary, idioms, and simple conversation and composition, including supplementary cultural readings. Italian 101 is equivalent to two years of high-school Italian.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:** None

# ITAL102

**Elementary Italian II**
**Units:** 5
A college-level Italian course focusing on further training in pronunciation, more extensive vocabulary development, conversation, grammar, reading and composition. Italian 102 is equivalent to the third year of high school Italian.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
ITAL101
Elementary Italian I
or two years of high school Italian

# ITAL194

**Conversation and Composition**
**Units:** 3
Reinforcement of conversational and composition skills. Implementation of language structure through conversation, reading and composition. Discussions of Italian culture.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ITAL101
Elementary Italian I
or two years high school Italian with grade of C or better

# ITAL195

**Advanced Conversational Italian**
**Units:** 3
Further development of conversational skills. Review of language structures as well as reinforcement of new vocabulary and idioms through conversation, reading, and composition. Discussions of Italian culture.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite

ITAL102
Elementary Italian II

# ITAL201
**Intermediate Italian I**
**Units:** 5
A college-level Italian class focusing on an expansive review of usage and grammar, discussions of interpretive readings, conversation, and composition.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
ITAL102
Elementary Italian II
or three years of high school Italian

# ITAL202
**Intermediate Italian II**
**Units:** 5
A college-level Italian class focusing on a specialized review of grammar and composition along with discussions in Italian of history and culture based on literary materials.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
ITAL201
Intermediate Italian I
or four years of high school Italian

## KINESIOLOGY - HEALTH EDUCATION

# KIN100
**Introduction to Kinesiology**
**Units:** 3
This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# KIN101
**First Aid and CPR**
**Units:** 3
The theory and detailed demonstration of first aid care for the injured, centered on assessing a victim's condition and incorporating proper treatment. Standard first aid, CPR, and automated external defibrillator (AED) certification(s) will be granted upon successful completion of the requirements.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# KIN102
**Nutrition and Fitness**
**Units:** 2
An applied nutrition course designed to help improve the nutrition and health of active individuals. The course focuses on the prevention of disease, weight control, and improved physical and mental performance.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# KIN104
**Healthful Living**
**Units:** 3
A comprehensive look at factors that impact people's health, longevity, and lifetime wellness. Areas covered will be personal fitness, nutrition, drugs, alcohol and tobacco, AIDS and sexually transmitted diseases, and degenerative diseases including cancer, heart disease, strokes, and diabetes.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# KIN106
**Stress Management**
**Units:** 3
This course offers an in-depth exploration of stress and its effects on the body and mind. Students will examine the physiological, psychological, and emotional response to stress and the associated theoretical framework of how stress is perceived and processed.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# KIN108
**Introduction to Public Health**
**Units:** 3
This course provides an overview of the philosophy, history, organization, and functions of public health at the global, national, state, and community levels. Students will be introduced to the core concepts, tools, and activities of public health practice, including the prevention and control of disease, the impact of social determinants of health, and strategies for addressing health disparities. Key topics include community organizing, health promotion programming, school and environmental health, and the structure of the U.S. healthcare delivery system. Emphasis is placed on developing foundational knowledge and skills to identify and assess contemporary public health issues, evaluate ethical challenges, and serve

as effective advocates for healthier communities.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# KIN109
**Sport in US Society**
**Units:** 3
A comprehensive look at sport in US society and how various, ethnic and minority groups have influenced sport at the local, state and national levels. The influences of other cultures outside of the US will be reviewed and analyzed. A review of sport history will be conducted with communication and media influences also examined.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# KIN110
**Women's Health Issues**
**Units:** 3
This course is designed to address health concepts as they apply to women. The topics range from personal fitness and nutrition habits to substance abuse; female reproductive structure and function; intimate and abusive relationships; disease transmission, prevention and aging.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# KIN111
**Sports Psychology**
**Units:** 3
This course will explore the theoretical aspects of sport psychology. Key concepts and theories will be analyzed to understand the mental factors that influence athletic preparation, performance, motivation, personality, emotions, and development. Social psychology and cognitive intervention theories will be discussed in their relation to sport and performance.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## KINESIOLOGY - INTERCOLLEGIATE ATHLETICS

# KIN200
**Conditioning for Athletes-Men**
**Units:** 1
An instructor supervised exercise program designed for athletes who participate in men's sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** 120

# KIN201
**Conditioning for Athletes-Co-Ed**
**Units:** 1
An instructor supervised exercise program designed for athletes who participate in sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** 120

# KIN202
Conditioning for Athletes-Women
**Units:** 1
An instructor supervised exercise program designed for athletes who participate in women's sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** 120

# KIN203
**Speed and Agility-Men**
**Units:** 1
This class is designed for male athletes to increase running speed. This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** 120

# KIN204
**Speed and Agility-Women**
**Units:** 1
This class is designed for female athletes to increase running speed. This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** 120

# KIN240
**Basketball Team- Men**
**Units:** 3
A high-level competitive program in Basketball for male athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to competing.

**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** 120

# KIN241

**Basketball Team- Women**
**Units:** 3
A high-level competitive program in Basketball for female athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to competing.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** 120

# KIN242

**Basketball Team Off-Season Men**
**Units:** 0.5-1
A high-level, competitive practice and skills program in basketball for male students with exceptional athletic talent.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** 120

# KIN244

**Theory of Basketball**
**Units:** 2
A general overview of rules, regulations, strategies, techniques, skill evaluation, mental preparation, conditioning, and history of the game in order to understand, play, and enjoy basketball.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# KIN245

**Volleyball Team- Men**
**Units:** 3
A high-level competitive program in Volleyball for male athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to competing.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN246

**Volleyball Team- Women**
**Units:** 3
A high-level competitive program in Volleyball for female athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to competing.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN247

**Volleyball Team Off-Season - Men**
**Units:** 1
A high-level, competitive practice and skills program in volleyball for male students with exceptional athletic talent.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN248

**Volleyball Team Off-Season - Women**
**Units:** 1
A high-level, competitive practice and skills program in volleyball for female students with exceptional athletic talent.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN249

**Beach Volleyball Team - Women**
**Units:** 3
A high-level competitive intercollegiate Beach Volleyball program for female athletes with exceptional talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to competing.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN255

**Cross Country Team-Men**
**Units:** 3
A high-level, competitive program for male students with exceptional cross country talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to participation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN256
**Cross Country Team-Women**
**Units:** 3
A high-level, competitive program for female students with exceptional cross country talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to participation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN257
**Cross Country Team-Off Season**
**Units:** 0.5-1
This course teaches the fundamental principles and techniques of efficient, high intensity distance running. The course helps develop and improve physical fitness and performance in terms of both running endurance and running speed. Optional field trips may be offered.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN270
**Soccer Team- Men**
**Units:** 3
A high-level, competitive program in soccer for male athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to participation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN271
**Soccer Team- Women**
**Units:** 3
A high-level, competitive program in soccer for female athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to participation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN272
**Soccer Team Off Season-Men**
**Units:** 0.5-1
A high-level, competitive practice and skills program in soccer for male students with exceptional athletic talent.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN273
**Soccer Team Off Season-Women**
**Units:** 0.5-1
A high-level, competitive practice and skills program in soccer for female students with exceptional athletic talent.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN274
**Theory of Soccer**
**Units:** 2
A general overview of the history of the game, its rules, tactics, techniques, conditioning and overall preparation to understand, play and enjoy soccer.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# KIN281
**Softball Team-Women**
**Units:** 3
A high-level, competitive program in softball for female student athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCAA) eligibility requirements and pass a health screening prior to participation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN283
**Softball Team Off Season-Women**
**Units:** 0.5-1
Basic skills and fundamentals of catching, throwing, pitching, hitting and base running will be covered. Offensive and defensive techniques and strategies will be practiced.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN284
**Theory of Softball**
**Units:** 2
A general overview of rules, regulations, strategies, mental preparation, skill evaluation and the history of the sport of softball.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None
KIN290
Flag Football Team
**Units:** 3
A high level flag football program for student-athletes with exceptional

talent. Students will be required to meet the California Community College Athletic Association (3C2A) eligibility requirements and pass a health screening prior to beginning competition.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN292
**Flag Football Team Off-Season**
**Units:** 1
A high-level, competitive flag football practice and skills program for students with exceptional athletic talent.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN295
**Esports Team**
**Units:** 3
Designed to introduce students to competitive Esports. Students will join an intercollegiate athletics team to compete against other community colleges, private colleges, and universities across the country. Students will use PCs and consoles such as Nintendo. Students will compete in Esports games including Valorant, League of Legends, Overwatch 2, Super Smash Bros, Rocket League, iRacing, and Marvel Rivals.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning/ preparation course per academic year.
**Lecture Hours:** 0 **Lab Hours:** 162
**Requisites:** None

# KIN296
**ESports Team, Off-season**
**Units:** 1
A high level, competitive practice and skills program in ESports.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning/ preparation course per academic year.
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

## KINESIOLOGY - PHYSICAL EDUCATION

# KIN119
**Personal Fitness Evaluation**
**Units:** 0.5-1
Personal evaluation of your fitness level. Each student completes appointments that evaluate flexibility, strength, blood pressure, body composition, pulmonary function, resting electrocardiogram, and a graded exercise test. Students are required to record 24 hours of instructor supervised exercise. Designed for healthy individuals with no heart problems.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 30-54
**Requisites:** None

# KIN125A
**Basic Cardio Kickboxing**
**Units:** 0.5-1
A series of combative boxing and kickboxing maneuvers designed to improve muscle tone, cardiovascular endurance, and self defense.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 30-54
**Requisites:** None

# KIN125B
**Intermediate Cardio Kickboxing**
**Units:** 0.5-1
This intermediate level Cardio Boxing class will emphasize combative maneuvers that will enhance the cardiovascular fitness level as well as the personal safety of the students at an enhanced level of instruction.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 30-54
**Requisites:** None

# KIN125C
**Advanced Cardio Kickboxing**
**Units:** 1
The advanced level Cardio Kickboxing class will emphasize high intensity cardiovascular endurance and martial arts skills through dynamic techniques.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN126A
**Basic Spin**
**Units:** 0.5-1
Students will be guided through workout phases on the bike with a basic introduction to warm ups, up-tempo cadences, sprints, climbs and cool downs.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN126B
**Intermediate Spin**
**Units:** 0.5-1
Students will be guided through intermediate level spin routines that

challenge the cardiovascular and muscular endurance through varying cadence, resistance, and revolutions per minute (RPMs) set to up-tempo music.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN127A
**Basic Yoga**
**Units:** 0.5-1
This basic yoga class is an exercise program that emphasizes the practice of postures that strengthen the body, improve flexibility and create a feeling of well-being.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN127B
**Intermediate Yoga**
**Units:** 0.5-1
This intermediate level yoga class is an exercise program that emphasizes the practice of postures that strengthen the body, improve flexibility and create a feeling of well-being.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN127C
**Advanced Yoga**
**Units:** 0.5-1
This advanced yoga class is an exercise program that emphasizes the practice of postures that strengthen the body, improve flexibility and create a feeling of well-being.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN128A
**Basic Tai Chi**
**Units:** 1
This course is designed to give instruction in the ancient Chinese art of Tai Chi. Students will learn movement patterns designed to generate, circulate and harmonize internal energy flows for mental and physical health enhancement.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN140A
**Basic Circuit Weight Training**
**Units:** 0.5-1
This course introduces the basic principles related to the acquisition of muscular strength and endurance. Students will explore training techniques through the use of body weight and light weight equipment. Instruction is provided in the areas of functional fitness and the physiological adaptation process that occurs as a result of circuit training.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN140B
**Intermediate Circuit Weight Training**
**Units:** 0.5-1
This course is designed for students with prior resistance training experience. Principles and training techniques for the development of muscle tone, muscle strength, and muscular endurance will be taught, as well as the use of weightbearing exercises to promote cardiovascular health benefits. Students will utilize weights, variable resistance machines, and other resistance equipment to advance their total body fitness.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN140C
**Advanced Circuit Weight Training**
**Units:** 0.5-1
This course is designed for students possessing advanced knowledge and experience with resistance training exercises. Students will utilize weights, variable resistance machines, and a wide variety of weight-bearing activities and equipment to perform high intensity exercise. Muscular development will be achieved through implementation of a resistance training program built upon advanced modes of training and the principles of exercise physiology.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN146B
**Intermediate Strength Training**
**Units:** 0.5-1
This high intensity strength training course is designed for students who possess significant experience in the use of free weight equipment. Students will apply proper weight lifting techniques and training periodization to develop muscular strength and power through the use of dumbbells and Olympic bar weights. Instruction is provided in advanced strength training theory.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN146C
**Advanced Strength Training**
**Units:** 0.5-1
This course is designed for students with advanced knowledge and extensive experience in free weight strength training. Instruction will focus on training methods applicable to multi-joint powerlifting, Olympic lifting, and sport strength and conditioning. Students will develop individualized workout programs that emphasize the development of muscular strength, power, agility, and explosiveness.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN160A
**Basic Basketball**
**Units:** 0.5-1
To introduce and establish basketball fundamentals with a view to encouraging life-time fitness.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 30-54
**Requisites:** None

# KIN160B
**Intermediate Basketball**
**Units:** 0.5-1
Intermediate level course to further develop passing, dribbling and various types of shooting. Emphasis will be placed on small group defense, small group offense, rules, special situations and strategies.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 30-54
**Requisites:** None

# KIN163A
**Basic Indoor Soccer**
**Units:** 0.5-1
A basic level soccer course to develop fundamental soccer skills in an indoor facility.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 30-54
**Requisites:** None

# KIN166A
**Basic Flag Football**
**Units:** 1
An introductory course to establish basic flag football fundamentals and rules with a view to encouraging life-time fitness.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN168A
**Basic Volleyball**
**Units:** 0.5-1
This course introduces the fundamental strategies and skills of volleyball, including setting, passing, spiking, blocking and serving, as well as the beginning concepts of team and tournament play.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 30-54
**Requisites:** None

# KIN168B
**Intermediate Volleyball**
**Units:** 0.5-1
An intermediate volleyball class to improve volleyball skills, in the areas of passing, setting, hitting, serving and blocking, as well as basic offensive and defensive systems of play. The course includes discussions of rules and strategy.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 30-54
**Requisites:** None

# KIN170A
**Basic Golf**
**Units:** 1
This course provides golf instruction and practice. Emphasis is placed on the fundamentals of the grip, stance, alignment, and the techniques and practice of the short game strokes of pitching, chipping and putting. Topics include the rules, terminology, safety procedures, values, etiquette, equipment, and history of golf. This course is designed for all students interested in playing golf as part of a fitness lifestyle or kinesiology majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN185A
**Basic Swimming**
**Units:** 0.5-1
Introductory basic swimming skills, with an emphasis on water safety.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN185B
**Intermediate Swimming**
**Units:** 0.5-1
Intermediate swim skills, emphasizing the four competitive swim strokes. Speed and endurance swimming will also be emphasized in a training environment.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# KIN185C
**Advanced Swimming**
**Units:** 0.5-1
Advanced swim skills developed with emphasis on the five competitive swim strokes. Advanced speed and endurance training will be emphasized in a training environment.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

## MANAGEMENT

# MGMT120
**Principles of Management**
**Units:** 3
Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling, and the application of managerial skills.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
MGMT120
Principles of Management

# MGMT121
**Human Relations and Organizational Behavior**
**Units:** 3
The role of the manager and management's relationship to employees. Includes the application of motivational theories, communications, leadership, and organizational structure.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
MGMT121
Human Relations and Organizational Behavior

# MGMT122
**Business Communications**
**Units:** 3
Professional and conversational oral and written communication skills used in business. Emphasis on writing and speaking skills, solutions to communication problems, ethical issues, and techniques for communicating successfully in today's business environment. Designed for professionals seeking career advancement. Not intended for students seeking an AST in Business Administration.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MGMT123
**Supervision**
**Units:** 3
A practical, skill-building approach to learning and understanding first-line management and supervision. Designed to provide beginning and experienced supervisors with a hands-on situational approach using supervisory skills.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MGMT135
**Human Resource Management**
**Units:** 3
Introductory course covers the goals, activities, and challenges of human resources. Includes equal employment opportunity and diversity, recruitment and selection, leadership and motivation, training and development, compensation, employee and labor/management relations.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MARKETING

# MKTG112
**Principles of Advertising**
**Units:** 3
A study of the impact of advertising on the American economy and how it fits within the broader disciplines of business and marketing and how it relates to journalism and the field of communication and the use of persuasive techniques with products, services, or ideas. Discover what advertising people do and how they do it, the artistic creativity and technical expertise required and career opportunities within the field.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MKTG113
**Principles of Marketing**
**Units:** 3
An introduction to modern marketing concepts and issues in an organization as well as the effects of marketing on society. Content includes an overview of marketing in the global business environment, buyer behavior, target marketing, and the marketing mix.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MKTG114
**Professional Selling**
**Units:** 3
An introductory course covering sales presentations, communication styles, techniques, and practices. Includes using sales techniques during job interviews and other aspects of "Selling Yourself" for career enhancement. Covers objectives in selling from the perspective of the consumer, business, and society.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MKTG115
Consumer Behavior
**Units:** 3
The investigation and analysis of why consumers select, purchase, use, and dispose of goods and services to satisfy their personal and business needs.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MKTG135
**Web Marketing and Promotion**
**Units:** 3
How to include the Internet in a business marketing plan. Covers advertising and promoting products, services, or ideas on the Internet, audience identification, search engine strategies, and other basics of increasing business effectiveness with Internet usage.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MKTG150
**Introduction to Social Media**
**Units:** 3
An introduction to social media history, marketing, and channels. Students will study, plan, organize, and create digital content.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MKTG151
**Social Media Marketing**
**Units:** 3
Evaluate the main social platforms used for digital marketing. Demonstrate an understanding of user needs, goals, and success metrics. Examine how marketers incorporate effective social media content generated by the brand, influencers, or users. Assess the role of social media agencies to decide when to outsource media campaigns.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MKTG172
**Small Business Marketing and Advertising**
**Units:** 3
Techniques for small business marketing including planning, customer research, advertising, media selection, budgeting and scheduling, and the evaluation of marketing effectiveness.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MATHEMATICS

# DATA100
Introduction to Data Science
**Units:** 4
An introduction to foundations of data science. Applications include real data from a wide range of fields. Students will use computer software for statistical analysis.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** Prerequisite
Qualifying profile from the Mathematics placement process.
**OR**
Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better.

# MATH080A
**Integrated Mathematics I**
**Units:** 3
The fundamental purpose of Integrated Math I is to formalize and extend the mathematics that students learned in prior mathematics courses. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Integrated Math I uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course is intended for dual enrollment students seeking to enhance their preparation for college mathematics.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
Recommendation from qualifying profile from the Mathematics placement process

# MATH080B
**Integrated Mathematics II**
**Units:** 3
Integrated Mathematics II focuses on quadratic expressions, equations, and functions, comparing them to linear and exponential relationships from Mathematics I across six critical areas. The extension of rational numbers is needed, introducing real and complex numbers for solving all quadratic equations. The course explores the connection between probability and data through conditional probability and counting methods. The study of similarity leads to understanding right triangle trigonometry, connecting to quadratics through Pythagorean relationships. Circles, with quadratic algebraic representations, complete the course, emphasizing the application of Mathematical Practice Standards for a coherent and logical understanding of mathematics. This course is intended for dual enrollment students seeking to enhance their preparation for college mathematics.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH080A
Integrated Mathematics I
**OR**
Prerequisite
Recommendation from qualifying profile from the Mathematics placement process

# MATH080C
**Integrated Mathematics III**
**Units:** 5
In Integrated Math III, students integrate and apply the mathematics they have learned from their earlier courses. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. The Standards for Mathematical Practice complement the content standards so that students increasingly engage with the subject matter as they grow in mathematical maturity and expertise. This course is intended for dual enrollment students seeking to enhance their preparation for college mathematics.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH080B
Integrated Mathematics II
**OR**
Prerequisite
Recommendation from qualifying profile from the Mathematics placement process

# MATH105
**Mathematics for Liberal Arts Students**
**Units:** 4
An overview of mathematics for the liberal arts student. Topics include problem-solving, financial management, probability, statistics, and other topics such as set theory, geometry, logic, mathematical modeling, and the history of mathematics. Includes integrated review.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# MATH106
**Essential Mathematics for Nurses**
**Units:** 1
This course covers mathematics for clinical calculations, including an arithmetic review, metric system conversions, drug measurement systems, reading medication labels, and computational methods used in medication preparation. It emphasizes the math skills needed for success in nursing and fulfills the requirement for the Math for Nursing Certificate of Proficiency.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better; or from the qualifying profile from the mathematics placement process.

# MATH140
**College Algebra**
**Units:** 4
Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; complex numbers, sequences and series.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.
**AND**
Anti-Requisite
MATH140S
College Algebra with Support

# MATH140S
**College Algebra with Support**
**Units:** 4.5
Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; complex numbers, sequences and series. Includes integrated review of core mathematical skills needed to be successful in College Algebra. Intended for students that prefer to supplement learning with prerequisite skills for College Algebra.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 27
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better
OR

Qualifying profile from the mathematics placement process.
**AND**
Anti-Requisite
MATH140
College Algebra



# MATH150
**Calculus for Biological, Management, and Social Sciences**
**Units:** 5
Single and multi-variable calculus including limits, derivatives, integrals, exponentials and logarithmic functions, and partial derivatives. Applications are drawn from Biology, Social Science, and Business.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH140
College Algebra
**OR**
Prerequisite
qualifying profile from the Mathematics placement process

# MATH150S
**Calculus for Biological, Management, and Social Sciences with Support**
**Units:** 5.5
Single and multivariable calculus, including limits, derivatives, integrals, exponentials and logarithmic functions, and partial derivatives. Applications are drawn from Biology, Social Science, and Business. This course includes support for the concepts and skills introduced in Calculus for Biological, Management, and Social Sciences.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 27
**Requisites:**
Prerequisite
MATH140
College Algebra
**OR**
Prerequisite
qualifying profile from the Mathematics placement process

# MATH171
**Precalculus and Trigonometry**
**Units:** 5
Study of polynomial, rational, absolute value, exponential, logarithmic, and trigonometric functions, their graphs and applications. Use of trigonometric identities. An introduction to polar coordinates, sequences, series, and analytic geometry. Preparation for the Calculus sequence.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 0
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# MATH172
**Algebra and Trigonometry for Calculus**
**Units:** 3
This course provides students with the foundational mathematical concepts and skills necessary for success in first-semester calculus. Topics covered include algebraic manipulations, functions and their graphs, trigonometric functions, exponential and logarithmic functions, and basic analytical geometry.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# MATH199
**Mathematics Independent Study**
**Units:** 1
Students can increase their knowledge in particular areas of mathematics through individual study and/or in small groups under the direction of a mathematics professor. Science, Technology, Engineering and Mathematics (STEM) majors and future teachers are encouraged to enroll in independent study for mathematics. Divisional approval required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** Enrollment in at least one other class at either Santa Ana College or Santiago Canyon College and must show evidence of competence in their academic major and the area in which they propose to do independent study.
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better, or qualifying profile from the mathematics placement process.

# MATH203
**Fundamental Concepts of Elementary Mathematics**
**Units:** 4.5
Designed for prospective elementary teachers, this course focuses on the development of quantitative reasoning skills through in-depth, integrated expolorations of topics in mathematics such as real number systems and subsystems. The emphasis is on problem solving strategies, comprehension and analysis of mathematical concepts, applications of logical reasoning, and the principles behind the standard arithmetic algorithms introduced to young learners.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 27
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# MATH230
**Statistical Computing and Exploratory Data Analysis**
**Units:** 4
Introduces key concepts in statistical computing. Techniques such as exploratory data analysis, data visualization, simulation, and optimization methods, are presented in the context of data analysis within a statistical computing environment.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
DATA100
Introduction to Data Science

# MATH270
**Discrete Mathematics**
**Units:** 3
This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics include: Functions, Relations and Sets; Basic Logic; Proof Techniques; Basics of Counting, Graphs and Trees; and Discrete Probability. This course is compliant with the standards of the Association for Computing Machinery (ACM).
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
CMPR149
Discrete Structures for Computer Science
Same C-ID number
**AND**
Prerequisite
CMPR121
Programming Concepts

# MATH280
**Intermediate Calculus**
**Units:** 4
Vectors and three-dimensional space, functions of several variables, partial derivatives and multiple integrals. Vector calculus, Greens Theorem, Stokes Theorem, and the Divergence Theorem.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH185
Single Variable Calculus II - This course is now MATHC2220

# MATH287
**Introduction to Linear Algebra and Differential Equations**
**Units:** 5
Topics include matrices, determinants, vector spaces, linear systems of equations, linear product spaces, first and second-order differential equations, systems of differential equations, and the Laplace transform.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH185
Single Variable Calculus II - This course is now MATHC2220

# MATH290
**Linear Algebra**
**Units:** 3
Systems of linear equations, matrix algebra, matrix theory, determinants, vector spaces, inner products, orthogonality, eigenvalues, eigenvectors, linear transformations, applications, and proofs of elementary properties of linear algebra.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH185
Single Variable Calculus II - This course is now MATHC2220
**AND**
Advisory
MATH280
Intermediate Calculus

# MATH295
**Differential Equations**
**Units:** 3
Introduction to ordinary differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Discusses both theoretical and practical aspects of solution techniques, including nth order linear equations, series solutions, Laplace Transform, and systems of first order linear equations.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH185
Single Variable Calculus II - This course is now MATHC2220

# MATHC2210
**Calculus I: Early Transcendentals**
**Units:** 4
***Part 1:***
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.
**Part 2:**
***Formerly:*** Math 180, Single Variable Calculus I (Spring 2027)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Part 2:
The prerequisite mathematics course must be passed with a grade of "C" or better.
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0

**Requisites:** Prerequisite
***Part 1:***
Pre-calculus, or college algebra and trigonometry, or equivalent, or placement as determined by the colleges multiple measures assessment process.

# MATHC2210E

**Calculus I: Early Transcendentals - Embedded Support**
**Units:** 4.5
***Part 1:***
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. This course includes embedded support.
***Part 2:***
Intended for students that prefer to supplement learning with prerequisite skills for Calculus I.
Formerly: Math 180S, Single Variable Calculus I with Integrated Support (Spring 2027)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Part 2:
The prerequisite mathematics course must be passed with a grade of "C" or better.
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 27
**Requisites:** Prerequisite
***Part 1:***
Precalculus, or college algebra and trigonometry, or equivalent, or placement as determined by the colleges multiple measures assessment process.

# MATHC2210H

**Calculus I: Early Transcendentals - Honors**
**Units:** 4
***Part 1:***
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. This is an honors course.
***Part 2:***
***Formerly:*** Math 180H, Honors Single Variable Calculus I (Spring 2026)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Part 2:
The prerequisite mathematics course must be passed with a grade of "C" or better.
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** Prerequisite
***Part 1:***
Precalculus, or college algebra and trigonometry, or equivalent, or placement as determined by the colleges multiple measures assessment process.

# MATHC2220

**Calculus II: Early Transcendentals**
**Units:** 4
***Part 1***
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.
***Part 2***
Differential equations and improper integrals.
***Formerly:*** Math 185, Single Variable Calculus II (Spring 2027)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Part 2:
The prerequisite mathematics course must be passed with a grade of "C" or better.
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATHC2210
Calculus I: Early Transcendentals
**OR**
Prerequisite
MATHC2210H
Calculus I: Early Transcendentals - Honors
**OR**
Prerequisite
MATHC2210E
Calculus I: Early Transcendentals – Embedded Support
**OR**
Prerequisite
***Part 1:***
Calculus I: Early Transcendentals (MATH C2210), or equivalent, or placement as determined by the college's multiple measures assessment process.

# MATHN40

**College Algebra Support Course**
**Units:** 0.5
Review of algebraic and arithmetic techniques required in Math 140. Practice reading and identifying important information for solving application problems, and implementing study skills to promote success in Math 140. This course is designed to provide just-in-time remediation for students who did not place directly into Math 140, or for students that would like to supplement their learning with prerequisite skills needed for Math 140.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 36
**Requisites:**
Co-Requisite
MATH140
College Algebra

# MATHN41

**Precalculus Support Course**
**Units:** 0.5
A review of selected Algebra and Trigonometry content needed to be successful in Precalculus topics such as linear, polynomial, rational, exponential, logarithmic, and trigonometric functions, systems of

equations and inequalities, conic sections, and sequences and series. This course focuses on building essential skills necessary for successful transition into the Calculus sequence.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 36
**Requisites:**
Co-Requisite
MATH171
Precalculus and Trigonometry

# MATHN42

**Single Variable Calculus I Support Course**
**Units:** 0.5
This course offers support for the concepts and skills introduced in first-semester calculus. The course provides additional instruction in the algebra and trigonometry necessary to complete calculus problems, in addition to providing support for calculus topics like calculating limits, finding derivatives, and understanding antiderivatives.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 36
**Requisites:**
Co-Requisite
MATH180
Single Variable Calculus I
**OR**
Co-Requisite
MATH180H
Honors Single Variable Calculus I

# MATHN44

**Calculus for Biological, Management, and Social Sciences Support Course**
**Units:** 0.5
This course offers support for the concepts and skills introduced in Calculus for Biological, Management, and Social Sciences. The course provides additional instruction in algebra topics necessary to complete calculus problems in addition to providing support for calculus topics like calculating limits, finding derivatives, and understanding antiderivatives.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 36
**Requisites:**
Co-Requisite
MATH150
Calculus for Biological, Management, and Social Sciences

# STATC1000

**Introduction to Statistics**
**Units:** 4
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. Part 2: Formerly: Math 219, Statistics and Probability (Fall 2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** Prerequisite
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.

# STATC1000E

**Introduction to Statistics**
**Units:** 4.5
***Part 1:***
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. This course has embedded support.
***Part 2: Formerly: Math*** 219S, Statistics and Probability with Support (Fall 2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 27
**Requisites:** Prerequisite
***Part 1:***
Placement as determined by the colleges multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

# STATC1000H

**Introduction to Statistics - Honors**
**Units:** 4
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. This is an honors course. Part 2: Formerly: Math 219H, Honors Statistics and Probability (Fall 2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** Prerequisite
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.

# MUSIC

## MUS061
**Basic Piano Skills 1**
**Units:** 1
Group instruction for beginners emphasizing note reading, basic keyboard skills, and sight reading. Practice outside of class required. Practice pianos available on campus.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:** None

## MUS101
**Music Appreciation**
**Units:** 3
Designed to increase awareness and appreciation of music from the European classical tradition in relation to general culture and history. Develops basic understanding of musical elements and deepens students experience of music. Recommended for non music majors. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MUS101H
**Honors Music Appreciation**
**Units:** 3
An enriched approach designed for honors students. The European classical music tradition through study of musical elements, stylistic features, culture, and history. Readings, guided listening assignments, required concert attendance, and special projects. Recommended for non-music majors. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MUS102
**World Music**
**Units:** 3
Music from the Far East, Southeast Asia, Africa, the Middle East, Europe, and the Americas. Students are guided to enjoy and to understand music from diverse cultures. Investigation of the interconnections of cultural aesthetics and musical styles. Concert attendance and assigned listening required. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MUS103
**Jazz in America**
**Units:** 3
A historical survey of the development and evolution of jazz in America from its earliest roots in African and European music. The study will also include the social and economic conditions which influenced this art form. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MUS104
**Rock Music History and Appreciation**
**Units:** 3
Historical survey of rock music from its beginning in the 50s to the present. All Rock and Pop styles will be discussed. Personalities and musical styles will be related to the sociology of the time period being studied. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MUS104H
**Honors Rock Music History and Appreciation**
**Units:** 3
Historical survey of rock music from its beginning in the 50s to the present. All Rock and Pop styles will be discussed. Personalities and musical styles will be related to the sociology of the time period being studied.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MUS110
**Music Fundamentals**
**Units:** 3
An introduction to the notation and fundamental theoretical elements of Western music, demonstrated through a variety of styles, covering: pitch and rhythm concepts and structures, basic formal elements, and fundamental musicianship. Development of skills in handwritten notation is expected. In addition, interpreting music, written and aurally, with regard to its broad historical and cultural context will be covered, and critiquing different musical genres and styles in order to make aesthetic judgments about them by applying criteria from the knowledge and principles of music theory learned in class.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## MUS111
**Music Theory and Musicianship I**
**Units:** 4
Introductory course in music theory and its application in traditional and modern practice. Includes review of music fundamentals, figured bass realization in four parts, Roman numeral and chord function analysis, cadential formulas, period phrase structures, non-harmonic tones, and principles of four-part chorale writing. The musicianship component emphasizes sight singing, rhythmic reading, dictation, and aural recognition of intervals, triads, seventh chords, and harmonic progressions. Students develop skills in performing major and minor melodies with leaps within primary triads, recognizing melodic patterns

such as arpeggios, passing tones, and neighbors, and identifying phrase structures and tendency tones within harmonic contexts. Rhythmic training focuses on interpreting and performing patterns in simple and compound meters, including dotted rhythms and subdivisions. Ability to read in at least one clef is recommended. Required of music majors; open to non-majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 18
**Requisites:** None

# MUS112
**Music Theory and Musicianship II**
**Units:** 4
Continuation of diatonic harmony with an emphasis on chromatic harmony, including secondary and applied chords, modal mixture, non-dominant sevenths, and modulation to closely related and foreign keys. Students develop skills in four-part chorale writing, two-voice counterpoint, figured bass realization, and keyboard harmonization using chromatic materials. Formal analysis of small forms, melodic construction, and phrase structure is integrated with part-writing and compositional exercises. Aural skills are advanced through chromatic melodic and harmonic dictation, sight-singing of chromatic melodies, rhythmic reading in simple, compound, and mixed meters, and error detection.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 18
**Requisites:**
Prerequisite
MUS111
Music Theory and Musicianship I

# MUS114A
**Musicianship III**
**Units:** 1
This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory III through ear training, sight singing, analysis, and dictation. Emphasis is placed on chromaticism, advanced modulation techniques, secondary/applied chords, borrowed chords, Neapolitan and augmented-sixth chords, and extended tertian harmonies. Students will develop fluency in error detection, multi-part performance, and conducting while sight-singing.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:**
Prerequisite
MUS112
Music Theory and Musicianship II

# MUS114B
**Musicianship IV**
**Units:** 1
Competency-based sightsinging, rhythm, ear training, and dictation (melodic/harmonic) for performers and transferring music majors. Ear Training software in the Music Lab is used for aural exercises. Mus 114B uses more advanced materials.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:**
Prerequisite
MUS114A
Musicianship III

# MUS121
**Beginning Voice**
**Units:** 1
Group instruction designed to develop basic principles of solo and choral voice production, diction, breath control, and posture. Practice outside of class required. Recommended for non-music majors and music majors not studying privately. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:** None

# MUS122
**Intermediate Voice**
**Units:** 1
Group instruction designed to develop intermediate principles of solo and choral voice production, diction, breath control and posture. Vocal analysis of each student emphasized. Practice outside of class required. Song literature matched to student level II. Designed for both music majors and non music majors. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:**
Prerequisite
MUS121
Beginning Voice

# MUS123
**Advanced Voice**
**Units:** 1
Advanced principles of solo and choral vocal production. Vocal exercises and song literature in English and other languages included. Practice outside of class required. Recommended for non music majors and for music majors not studying privately. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:**
Prerequisite
MUS122
Intermediate Voice

# MUS124
**Advanced Vocal Production and Repertoire**
**Units:** 1
Continuation of group instruction for students who have completed three semesters of voice and can perform at an advanced level. Further develops advanced vocal and choral production in a variety of styles and techniques. Instruction includes advanced English and foreign language song literature. Practice outside of class required. Designed for both music majors and non music majors. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None

**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:**
Prerequisite
MUS123
Advanced Voice

# MUS126
**Collegiate Choir**
**Units:** 1
Mixed chorus for general interest singers. Rehearses and performs a variety of music, including classical, folk tunes, and songs from Broadway musicals. Each semester requires performance of a variety of new repertoire. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Students should be able to repeat musical phrases given to him/her from musical instrument or from vocal singing
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# MUS127
**Concert Chorale**
**Units:** 1
Rehearsal and performance of standard and current choral classic repertoire (Renaissance, Baroque, Classical, Romantic, and Contemporary). Designed to train students in mixed ensemble singing. Public performance emphasized. Each semester requires performance of a variety of new and different repertoire. Designed for students who have basic singing skills. Field trips required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Some music-reading ability is recommended and students should have one or two semesters of vocal technique class (Music 121, 122 or 123).
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# MUS128
**Masterworks Chorale**
**Units:** 1
Rehearsal and performance of standard and current masterworks repertoire. Designed to train students in oratorio ensemble singing. Public performance emphasized. Each semester requires performance of a variety of new and different repertoire. Designed for students who have basic singing skills. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Some music-reading ability is recommended and students should have one or two semesters of vocal technique class (Music 121, 122 or 123).
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# MUS129
**Chamber Choir**
**Units:** 1
Rehearsal and performance of chamber choir repertoire from various historical periods. Course designed for festival and concert performance. Each semester requires the performance of new repertoire. Field trips are required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Some music-reading ability is recommended and students should have one or two semesters of vocal technique class (Music 121, 122 or 123).
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 72
**Requisites:** None

# MUS150
**Introduction to Music Technology**
**Units:** 3
This introductory course examines the terminology, equipment, techniques, and concepts related to music technology. The course will survey the principles and practices of sound, MIDI, synthesis, notation, and audio recording utilizing hardware and software platforms.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# MUS160A
**Applied Music (Private Instruction)**
**Units:** 1
Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar. Minimum five hours practice per week. B, C, and D semesters require study of more advanced repertoire. No more than a total of 4 semesters of credit may be earned in a combination of Music 160 A, B, C, D. Requires audition and concurrent enrollment in either a music ensemble or music theory course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Audition
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Co-Requisite
Concurrent enrollment in either a music ensemble or music theory course
**AND**
Prerequisite
Audition required

# MUS160B
**Applied Music (Private Instruction)**
**Units:** 1
Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 160A. At least five hours on-campus practice per week. No more than a total of 4 semesters of credit may be earned in a combination of Music 160 A, B, C, D. Requires audition and concurrent enrollment in either a music ensemble or music theory course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Audition
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Co-Requisite
Concurrent enrollment in either a music ensemble or music theory course
**AND**
Prerequisite
MUS160A

Applied Music (Private Instruction)
Completion with a C or better

# MUS160C

**Applied Music (Private Instruction)**
**Units:** 1
Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 160B. At least five hours on-campus practice per week. No more than a total of 4 semesters of credit may be earned in a combination of Music 160 A, B, C, D. Requires audition and concurrent enrollment in either a music ensemble or music theory course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Audition
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Prerequisite
Concurrent enrollment in either a music ensemble or music theory course
**AND**
Prerequisite
MUS160B
Applied Music (Private Instruction)
Completion with a C or better

# MUS160D

**Applied Music (Private Instruction)**
**Units:** 1
Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 160C. At least five hours on-campus practice per week. No more than a total of 4 semesters of credit may be earned in a combination of Music 160 A, B, C, D. Requires audition and concurrent enrollment in either a music ensemble or music theory course.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Co-Requisite
Concurrent enrollment in either a music ensemble or music theory course
**AND**
Prerequisite
MUS160C
Applied Music (Private Instruction)
Completion with a C or better

# MUS161

**Class Piano I**
**Units:** 1
Group instruction for beginners emphasizing note reading, basic keyboard skills, chord patterns, and sight-reading. Practice outside of class required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Students should have access to a piano or a keyboard to practice his/her assignments outside of class
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:** 120

# MUS162

**Class Piano II**
**Units:** 1
Group instruction for those possessing basic piano skills but still classified as beginners. Emphasizes note reading, keyboard technique, chord patterns, sight-reading. Daily practice required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:**
Advisory
MUS061
Basic Piano Skills I
**OR**
Advisory
MUS161
Class Piano I

# MUS163

**Class Piano III**
**Units:** 1
Instruction for students who have completed two semesters of piano and are ready for the intermediate level. Emphasizes building technique, sight-reading, and performance. Daily practice required. Practice pianos available on campus.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Students should have access to a piano or a keyboard to practice his/her assignments outside of class
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:**
Advisory
MUS162
Class Piano II

# MUS164A

**Intermediate Piano Repertoire I**
**Units:** 1
Instruction for intermediate level students. Emphasizes solo material, technique, sight-reading, interpretation, and performance. Daily practice required. Practice pianos available on campus.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:**
Advisory
MUS163
Class Piano III

# MUS164B

**Intermediate Piano Repertoire II**
**Units:** 1
Continuation of instruction for advanced intermediate level students. Emphasizes solo material, technique, sight-reading, and performance. Daily practice required. Practice pianos available on campus.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** Students should have access to a piano or a keyboard to practice his/her assignments outside of class

**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:**
Advisory
MUS164A
Intermediate Piano Repertoire I

# MUS171
**Concert Band**
**Units:** 1
Study and rehearsal of band music for concert performances on campus and in the community. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Admission by audition only.
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** Prerequisite
Audition

# MUS176
**Jazz Band**
**Units:** 1
Advanced study, rehearsal, and performance of standard and contemporary jazz literature. Includes advanced techniques in improvisation. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Admission by audition only.
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** Prerequisite
Audition

# MUS181
**Chamber Orchestra**
**Units:** 1
Rehearsal and performance of standard repertoire for chamber orchestra. Each semester requires the performance of a variety of different repertoire. Designed for students who have basic performance skills.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Admission by audition only.
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** Prerequisite
Audition

# MUS182
**Musical Ensemble**
**Units:** 1
Study and performance of standard and contemporary music literature. Public concerts on campus and in community each semester. Concert tour/performance field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** This class may be taken a maximum of four enrollments.
**Lecture Hours:** 0 **Lab Hours:** 54
**Requisites:** None

# MUS185
**Beginning Classical Guitar**
**Units:** 1
Basic instruction in guitar technique and music nomenclature as related to performance of entry level solo and ensemble repertoire. Student must furnish nylon string guitar.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:** None

# MUS186
**Intermediate Classical Guitar**
**Units:** 1
Intermediate instruction in solo, duo and trio repertoire. Emphasizes technique studies and performance styles of 18th century music. Student must provide nylon string guitar.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 18
**Requisites:**
Prerequisite
MUS185
Beginning Classical Guitar

# MUS187
**Advanced Classical Guitar**
**Units:** 1
Instruction at the advanced level in solo, duo and trio repertoire. Emphasizes advanced technical studies and etudes and performance styles of 16th through 20th century music. Student must provide nylon string guitar.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:**
Prerequisite
MUS186
Intermediate Classical Guitar

# MUS188
**Advanced Classical Guitar Technique and Repertoire**
**Units:** 1
Further develops advanced technique and solo performance through study of Renaissance, Baroque, and Classic ornamentation and various performance styles of 16th through 20th century music. Student must provide nylon string guitar.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 27
**Requisites:**
Prerequisite
MUS187
Advanced Classical Guitar

# MUS213
**Music Theory III**
**Units:** 3
This course builds upon the concepts developed in Music Theory II. Through guided composition and analysis, students will explore advanced chromatic harmonic practices and voice-leading techniques. Topics include modal mixture (borrowed chords), Neapolitan and augmented-sixth chords, chromatic mediants, extended tertian chords (ninth, eleventh, and thirteenth chords), altered dominants (including CT°7, subV6, and V+), and an overview of large-scale formal structures such as Sonata-Allegro, ternary, and rondo forms.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
MUS112
Music Theory and Musicianship II
**AND**
Advisory
MUS114A
Musicianship III

# MUS214
**Music Theory IV**
**Units:** 3
This course is a continuation of Music 213. Late 19th century harmonic technique, and important aspects of 20th-21st century styles. Analysis and writing of short, compositions. Keyboard harmony. Concurrent enrollment in Music 114B recommended. Required for music majors; open to non-majors.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
MUS213
Music Theory III

## NUTRITION AND FOOD

# NUTR115
**Nutrition**
**Units:** 3
This course examines the biological basis of human nutrition through the integration of biology, physiology, biochemistry, and microbiology. Using the scientific method, students analyze how nutrients are digested, absorbed, and metabolized, and evaluate the effects of deficiencies and excesses across the lifecycle. Emphasis is placed on hypothesis testing, evidence-based reasoning, and the interdependency of the sciences to explain nutrition's role in health and disease. Topics include dietary standards, nutrient metabolism, food selection, physical activity, biotechnology, and issues of equity in food access.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors

# NUTR120
**Food and Culture**
**Units:** 3
This course examines the regional, ethnic, cultural, religious, historical, and social influences on food patterns, cuisines, and health and the perspective of traditional and contemporary food customs within cultures. Major emphasis on United States cultures, including Native American, Hispanic American, African American, and Asian American. Opportunities to explore personal cultural food experiences.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## PHILOSOPHY

# PHIL099
**Humanities: What, Why & How to Succeed**
**Units:** 1
An introduction to the general concept of the humanities and its various disciplines: history; philosophy; religion; literature; the arts, as well as how they interrelate. Students will develop critical thinking, speaking, and writing skills through presentations, discussions, and both informal and formal compositions. Students will gain academic support and acquire skills and strategies that apply to disciplines within the Humanities Guided Pathway.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
HIST099
Humanities: What, Why & How to Succeed

# PHIL106
**Introduction to Philosophy**
**Units:** 3
A survey of historical and contemporary ideas on ways to have to live the good life.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHIL106H
**Honors Introduction to Philosophy**
**Units:** 3
An enriched approach designed for honors students in a seminar setting. A survey of historical and contemporary ideas on how to live the good life.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHIL108
**Ethics**
**Units:** 3
Introduction to key historical and modern theories of philosophical ethics and the application of these theories to ethical issues facing society today. Assists in clarifying our thinking about morality/ethics. The course increases awareness of values in personal and contemporary issues.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHIL109
Medical and Healthcare Ethics
**Units:** 3
This course analyzes the foundational ethical principles of medical care and healthcare ethics,autonomy, beneficence, non-maleficence, utility, and justice. It also critically examines key ethical issues such as truth telling in clinical practice; patient confidentiality protections; informed consent procedures; abortion; euthanasia and physician-assisted suicide; healthcare resource allocation; gender-affirming care; and healthcare disparities.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHIL110
**Critical Thinking**
**Units:** 4
College level critical thinking, reading and composition. Promotes rational self awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic and criticism in personal life, college, work, and democratic society.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# PHIL110H
**Honors Critical Thinking**
**Units:** 4
College level critical thinking, reading and composition. Promotes rational self awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic and criticism in personal life, college, work, and democratic society
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 and above
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# PHIL111
**Introductory Logic**
**Units:** 4
Beginning course in formal and applied logic. Covers cognitive language, formal argument, proof, basic propositional and predicate logic, and philosophy of logic. Emphasizes active student involvement and practical application to college life.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 0
**Requisites:** None

# PHIL112
**World Religions**
**Units:** 3
A philosophical overview of the worlds great religions. Includes historical origin and growth of each religion, major doctrines, and influence. Religions dealt with include Primitive, Hinduism, Jainism, Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam. Optional field trips offered.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHIL115
**Philosophy of Religion**
**Units:** 3
An introduction to the philosophical analysis of religious beliefs and concepts, including the nature of religion, the nature and existence of some kind of ultimate reality, the problem of evil, the meaning of religious language, the authenticity of religious experiences, the relation between religion and ethics, the relation between religion and science, and religious diversity.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHIL118
**History of Philosophy**
**Units:** 3
An introduction to philosophy from a historical perspective: getting acquainted with the thoughts of the worlds great philosophers. Provides a survey of the dominant philosophies of the ancient, medieval, and modern worlds.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHIL120
**Introduction to Social and Political Philosophy**
**Units:** 3
A critical examination of rights theory, liberty, justice, individualism, community, state power, political authority, natural law, property, social contract theory, ideology, obedience, alienation, and various forms of social order (e.g., democracy, totalitarianism, theocracy, socialism) from the perspective of social and political philosophy, including multi-cultural and feminist viewpoints and critiques.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## PHYSICAL SCIENCE

# PSC100
**Survey of Chemistry and Physics**
**Units:** 4
An introduction to the basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, thermodynamics, electricity and magnetism, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. Designed for non-science majors, concepts are introduced in lab through inquiry and further developed during discussion.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** Advisory
Qualifying profile from the Mathematics placement process.

## PHYSICS

# PHYS100
**Conceptual Physics**
**Units:** 4
A conceptual introduction to physics. Topics include: mechanics, fluids, thermodynamics, sound, light, electricity, magnetism, and modern physics. Recommended for all students interested in a conceptual approach to physics or students planning to take more advanced courses in physics.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** None

# PHYS150A
Introductory Physics I
**Units:** 4
A trigonometry-based physics course. Topics include: mechanics, thermodynamics, fluids, oscillatory motion, and sound. Students that have successfully completed Physics 210 or Physics 279 may not enroll in Physics 150A.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
MATH171
Precalculus and Trigonometry

# PHYS150AC
**Introductory Physics I - Calculus**
**Units:** 1
This course expands on the topics covered in Physics 150A by adding the application of calculus to problems in physics. Topics will include motion graphs, motion with non-constant acceleration, variable forces, wave motion, and thermodynamics.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:**
Prerequisite
MATH180
Single Variable Calculus I
**OR**
Prerequisite
MATH180H
Honors Single Variable Calculus I
**AND**
Co-Requisite
PHYS150A
Introductory Physics I

# PHYS150B
**Introductory Physics II**
**Units:** 4
A trigonometry-based physics course. Topics include: light, electricity, magnetism and modern physics. Students that have successfully completed Physics 211 at Santa Ana College may not enroll in Physics 150B.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
PHYS150A
Introductory Physics I

# PHYS150BC
**Introductory Physics II - Calculus**
**Units:** 1
This course expands on the topics covered in Physics 150B by adding the application of calculus to problems in physics. Topics will include electric fields, Gauss Law, Amperes Law, Faradays Law, light, and quantum mechanics.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:**
Prerequisite
PHYS150A
Introductory Physics I
**AND**
Prerequisite
PHYS150AC
Introductory Physics I - Calculus
**AND**
Co-Requisite
PHYS150B
Introductory Physics II

# PHYS250A
**Physics for Scientists and Engineers I**
**Units:** 5
Principles of classical mechanics including particle dynamics, forces, work, energy, momentum, rotational motion, equilibrium, harmonic motion, gravity and fluid dynamics. This course is designed for students majoring in physical sciences and engineering.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 54
**Requisites:**
Prerequisite
MATH180
Single Variable Calculus I - This course is now MATHC2210
**OR**
Prerequisite
MATHC2210H
Calculus I: Early Transcendentals - Honors
**AND**
Advisory
PHYS100
Conceptual Physics

# PHYS250B
**Physics for Scientists and Engineers II**
**Units:** 5
Introduces the basic principles of thermodynamics, electricity and magnetism. The main topics are the laws of thermodynamics, kinetic theory of gases, electrostatics, circuits, magnetism, electro-magnetic induction, and Maxwell's equations. This course is designed for students majoring in physical sciences and engineering.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 54
**Requisites:**
Prerequisite
MATH185
Single Variable Calculus II - This course is now MATHC2220
**AND**
Prerequisite
PHYS250A
Physics for Scientists and Engineers I

# PHYS250C
**Physics for Scientists and Engineers III**
**Units:** 5
Introduces the basic principles of mechanical waves, sound, light, geometrical and wave optics, special relativity and quantum mechanics. This course is designed for students majoring in physical sciences and engineering.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 72 **Lab Hours:** 54
**Requisites:**
Prerequisite
PHYS250B
Physics for Scientists and Engineers II
**AND**
Advisory
MATH280
Intermediate Calculus

## POLITICAL SCIENCE

# POLSC1000
**American Government and Politics**
**Units:** 3
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. Part 2: Formerly: POLT101, American Government and Politics (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# POLSC1000H
**American Government and Politics - Honors**
**Units:** 3
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. This is an honors course. Part 2: Formerly: POLT101H, Honors American Government and Politics (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# POLT150
**Model United Nations**
**Units:** 4
This course is designed to provide students with a platform to engage deeply with pressing global challenges. Through simulations of United Nations committee meetings, participants address a wide range of issues such as international peace & security, human rights, development, and environmental sustainability. MUN cultivates critical thinking, problem-solving, and collaboration skills while empowering students to propose solutions to real-world problems. Students are required to attend Model United Nations conferences. Former Title: POLT 150, Introduction to Model United Nations (Fall 2019)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
POLSC1000
American Government and Politics
**OR**
Prerequisite
POLSC1000H
American Government and Politics - Honors
**OR**
Prerequisite
POLT220
International Politics

# POLT201
**Introduction to Comparative Politics**
**Units:** 3
A study of the histories, political cultures, and governmental arrangements of various nations and regions around the world. Comparative study is made of the industrialized democracies, the former communist countries, and the developing, and non-developing countries.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# POLT220
**International Politics**
**Units:** 3
Introduction to basic principles and issues of international politics. Focus is on concepts of security, power, diplomacy, war, terrorism and globalization. Examines problems of rich versus poor nations in context of the new world order.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# POLT221
**Women in American Politics**
**Units:** 3
A historical and philosophical study of the role women play in the politics of the United States as voters, candidates, policy makers, and activists. Attention will be devoted to topics of gender representations in popular culture, feminism, and the Women's Rights Movement in the U.S. This course will consider the intersectionality of race, class, gender, and sexuality when evaluating economic and reproductive rights as well as gendered violence.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Advisory
POLSC1000
American Government and Politics
**OR**
Advisory
POLSC1000H
American Government and Politics - Honors

# POLT230
**Political Theory**
**Units:** 3
The course will explore the history of political theory from Plato to the present. Such concepts as liberty, equality, power, authority and justice will be examined.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# POLT235
**Identity Politics**
**Units:** 3
An inquiry into the history of racial/ethnic minority groups in American politics with an emphasis on political coalitions
among different minority groups in contemporary politics.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## PSYCHOLOGY

# PSYC110
**Introduction to Companion Animal Psychology**
**Units:** 3
An introduction to the major concepts, methods, ethical issues, and findings in companion animal psychology including: research methods, biological bases of behavior, perception, learning, memory, cognition, emotion, motivation, development, personality, and social behavior. Explores issues surrounding problem behaviors including prevention, basic skills training, and behavior modification for anxiety and aggression.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC114
**Introduction to Animal Learning and Behavior**
**Units:** 3
Explores relatively permanent changes in behavior based on experience. Focuses on theoretical and applied aspects of sensitization, habituation, Pavlovian conditioning, operant conditioning, generalization, discrimination, stimulus control, and biological limits on learning.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC118
**Behavior Modification**
**Units:** 3
Explores principles and techniques for changing patterns of behavior using reinforcement, punishment, extinction, shaping, fading, chaining, and stimulus control. Examines measurement of behavior change and the ethics of behavior change procedures.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC122
**Dog Training**
**Units:** 3
Explores the practical application of learning theory to dog training. Focuses on recognizing body language, puppy skill development, teaching basic manners (e.g., sit, stay) and solving simple behavior problems (e.g., barking, digging).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC157
**Introduction to Child Psychology**
**Units:** 3
Survey of human development from conception through adolescence. Covers major theories of development (cognition, perception, language, personality, etc.) and their application to parenting, teaching, and other interactions with children. (No credit if student has taken Child Development 107.)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
CDEVC1000
Child Growth and Development

# PSYC160
**Introduction to Lifespan Psychology**
**Units:** 3
An overview of human development from conception through death, including biological and environmental influences. Psychological theories and research regarding physical, cognitive, social and emotional development over the lifespan will be examined.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC170
**Multicultural Psychology**
**Units:** 3
Introduces students to important issues related to cultural diversity in the field of psychology. Major areas of psychology will be explored from a multicultural perspective, including research, mental health, social psychology, and identity development. Exploration of historically underrepresented populations in the U.S. will be emphasized.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC180
**Psychology of Gender**
**Units:** 3
This course will examine psychological research and theory on gender with consideration of sociocultural and historical influences. Topics to be covered will include, but will not be limited to, the following: gender identity development, masculinity and femininity, sexual orientation, gender roles, stereotypes, prejudice, and discrimination, as well as gender differences in physiology, communication, mental health, the workplace and relationships. Additional focus will be given to the effects of race, ethnicity, socioeconomic status and other forms of culture on gender.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC190
**Psychology of Human Sexuality**
**Units:** 3
An overview of human sexuality through a psychological lens with additional focus on biological, sociocultural, and historical perspectives and influences. Topics to be explored will include, but will not be limited to, the following: sexual anatomy and physiological arousal; sexual attitudes and values; sexual behaviors, dysfunction, disorders and treatments; relationships and communication; interconnections to cultural identities (e.g., race, gender identity, sexual orientation, age, religion, etc.); sexual violence; contraception and pregnancy; and sexually transmitted infections and prevention. Current sex norms and various aspects of interpersonal and individual sexual adjustment will also be discussed. (No credit if a student has taken IDS 155.)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC200
**Introduction to Biological Psychology**
**Units:** 3
Explores relationships between physiological structures of the body and human behavior. Focuses on the organization and function of the brain, spinal cord, peripheral nervous system, glands, sensory and perceptual systems. Relates physiological functioning to motivated behavior, addiction, and psychological disorders.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
PSYCC1000
Introduction to Psychology
**OR**
Prerequisite
PSYCC1000H
Introduction to Psychology - Honors

# PSYC220
**Introduction to Research Methods in Psychology**
**Units:** 4
Emphasizes methods of study in psychology including: sound and ethical experimental design, analysis of variables contributing to experimental results, data treatment, and communicating findings.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
STATC1000
Introduction to Statistics
**OR**
Prerequisite
STATC1000H
Introduction to Statistics - Honors
**OR**
Prerequisite
STATC1000E
Introduction to Statistics
**AND**
Prerequisite
PSYCC1000
Introduction to Psychology
**OR**
Prerequisite
PSYCC1000H
Introduction to Psychology - Honors

# PSYC230
**Psychology of Adjustment**
**Units:** 3
Application of theory and research in psychology to deal effectively with the adjustment demands of everyday life. Covers topics such as: interpersonal relationships, stress, health, time management, and working, with consideration for the influence of factors such as culture, gender, ethnicity, historical cohort, and socio-economic status. Includes exercises for increasing self-awareness, self-motivation, and self-management of everyday problems. Former Title: Psychology 230, Psychology and Effective Behavior (2020)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PSYC240
**Introduction to Social Psychology**
**Units:** 3
An exploration of individual human behavior in relation to the social environment, examining the power of the situation, social interaction and social groups. Emphasized topics will include: aggression, prejudice, attraction, attitudes, group dynamics, self-development and social cognition. (No credit if student has taken Sociology 240.)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Anti-Requisite
SOC240
Introduction to Social Psychology

# PSYC250
**Introduction to Psychopathology**
**Units:** 3
This course is an introduction to the scientific study of mental health, mental illness, and psychological disorders. An investigation of psychopathology from an integrative approach utilizing the biological, psychological, and sociocultural perspectives. A comprehensive survey of theory and research in psychopathology with identification, symptomology, etiology, treatment, and prevention being presented.
***Former Title:*** PSYC 250, Introduction to Abnormal Psychology (Spring 2026)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
PSYCC1000
Introduction to Psychology
**OR**
Prerequisite
PSYCC1000H
Introduction to Psychology - Honors

# PSYCC1000
**Introduction to Psychology**
**Units:** 3
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. Part 2: Formerly PSYC100, Introduction to Psychology (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGL101
Freshman Composition - This course is now ENGL C1000

Eligibility for college-level writing and reading
(ENGL C1000, ENGL C1000H).

# PSYCC1000H

**Introduction to Psychology - Honors**
**Units:** 3
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. This is an honors course. Part 2: Formerly PSYC100H, Honors Introduction to Psychology (2024)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGL101
Freshman Composition - This course is now ENGL C1000
Eligibility for college-level writing and reading
(ENGL C1000, ENGL C1000H).

## PUBLIC ADMINISTRATION AND SERVICES

# PASV084

**Code Enforcement Officer Safety**
**Units:** 1
This 40-hour certification course is designed to provide a minimal level of training in municipality officer safety. The course has been developed for anyone who has enforcement authority in land-use, zoning, law, health, building and safety regulations and inspections. Course topics include, a review of, Code Enforcement Officer Senate Bill 296, Code Enforcement Officer Safety and identifying and recommendations in developing appropriate safety standards for the profession. Students will be able to identifying threats and risk, hazardous situations, discussion of case law, dangerous verbal and non-verbal behaviors.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 15 **Lab Hours:** 27
**Requisites:** None

# PASV085

**Code Enforcement Officer**
**Units:** 3
This course is designed to provide academic and professional training for code enforcement personnel and/or individuals seeking employment in Public Sector Agencies such as Public works, Planning & Building, Community Development, and any municipal agency that provide code compliance dealing directly with the public. Course topics will include, Role of a Public Service employee, interdepartmental functions; Code Enforcement Officer training and inspection protocols; Understanding Public Safety Standards; Ethics and Legal Aspects; and a complete review of compliance enforcement tools used currently used in municipal government. An overview of the Health and Safety Code, International Code Council Property Maintenance and Zoning will be covered in this course. Former Title: PBLC085 Code Enforcement Officer (Fall 2025).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV086

**Basic Code Enforcement Officer Module 1**
**Units:** 1
This basic code enforcement class is designed to provide standardized academic and professional training for current California code enforcement officers or individuals seeking employment as a code enforcement officer. Course topics include enforcement ethics, inspection best-practices, planning and zoning, basic construction concepts, vehicle abatement, right of entry, inspection warrants, documenting investigations, and legal aspects of criminal, civil, and administrative case preparation. The Health and Safety Code 17920.3 will be covered in this course. Former Title: PBLC086 Basic Code Enforcement Officer Module 1 (Fall 2025).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 15 **Lab Hours:** 27
**Requisites:** None

# PASV087

**Intermediate Code Enforcement Officer Module 2**
**Units:** 1
The intermediate code enforcement class is designed to provide standardized academic and professional training for current California code enforcement officers or individuals seeking employment as a code enforcement officer. Course topics include the abatement of sub-standard or hazardous buildings, hazardous materials, residential construction, use of force, self-defense and chemical agents, criminal law, and methods to collaborate with the community. The International Property Maintenance Code and National Pollutant Discharge Elimination System enforcement will be reviewed. Former Title: PBLC087 Intermediate Code Enforcement Officer Module 2 (Fall 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 15 **Lab Hours:** 27
**Requisites:** None

# PASV088

**Advanced Code Enforcement Officer Module 3**
**Units:** 1
The advanced code enforcement course is designed to provide standardized academic and professional training for current California code enforcement officers or individuals seeking employment as a code enforcement officer. Course topics include effective communications, vectors and animal safety, hoarding, developing staff reports and new ordinances, building, residential, mechanical, plumbing, and fire codes, and gang and drug awareness and officer safety. The International Property Maintenance Code will be reviewed. Field trips may be required. Former Title: PBLC088 Advanced Code Enforcement Officer Module 3 (Fall 2025).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 15 **Lab Hours:** 27
**Requisites:** None

# PASV089
**Code Enforcement Officer-Supervision Module 4**
**Units:** 1
The supervisory code enforcement class is designed to provide standardized academic and professional training for current California code enforcement officers or individuals seeking promotion to a senior or supervising code enforcement officer. Course topics include diversity, ethics, and communication for supervisors; performance management best-practices, employment law, assertive leadership, budgets, finance, and grant administration; promoting an agency, critical incident management, strategic planning, and internal investigations. Former Title: PBLC089 Code Enforcement Officer-Supervision Module 4 (Fall 2025).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 15 **Lab Hours:** 27
**Requisites:** None

# PASV150
**Introduction to Public Administration**
**Units:** 3
This course is designed to provide a general overview of public organizations, the bureaucratic process, and public service for those interested in pursuing/enhancing a career in government. Field trips may be required. Former Title: PBLC150 Introduction to Public Administration (Fall 2025).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV151
**Ethics and Professionalism: The High Calling of Public Service**
**Units:** 3
Presents service in the public sector as worthy profession; a trust to be carried out with the highest degree of ethics, professionalism, and personal integrity. Along with the foundations of ethics, emphasis is placed on the practical application of ethical principles in the public service workplace. Various ethical decision-making models are presented with a view to resolving ethical dilemmas before they adversely affect stakeholders. Finally, the consequences of ethical misconduct are examined, including effects on individuals, organizations, and the public as a whole. Ethical conduct in the public sector is presented not only as the right” way to work, but as the smart” way to work. Former Title: PBLC151 Ethics and Professionalism: The High Calling of Public Service (Fall 2025).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV152
**Preparing for Supervision Public Sector**
**Units:** 3
The purpose of this course is to provide those employed in or seeking a career in public service a firm foundation in supervision. The fundamental philosophy of supervision, management will be covered in detail. Practical application mechanisms, when dealing with employees, changing organizational culture and helping provide goals and mission statements will help ensure career success. Former Title: PBLC152 Preparing for Supervision Public Sector (Fall 2025).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV153
**Public Sector Budgeting Fundamentals**
**Units:** 3
This course is intended to explain the local budgetary process and to familiarize students with the following topics: budget document and budget process; the budget cycle; operating and capital budget; evolution of budget; the balanced budget; functions of the budget office; planning, adopting, implementing and controlling the budget; performance measures for public budgeting and budgeting for capital improvements. Former Title: PBLC153 Public Sector Budgeting Fundamentals (Fall 2025).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV155
**The Art of Politics and Policymaking**
**Units:** 3
The purpose of this course is to provide students with a hands-on practical learning experience of public policy and politics in the context of an overall process of government and the transactional influences of politics. Former Title: PBLC155 The Art of Politics and Policymaking (Fall 2025).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV156
**Family and Community Violence**
**Units:** 3
This course covers family and community violence across the lifespan within a comprehensive framework for understanding effective services in various settings. Students will examine the major types of family and community violence and their impact on individual, family, and societal functioning. This course will explore ways in which social advocacy has advanced contemporary responses to marginalized populations experiencing violence.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV157
**Public Service Crisis Intervention**
**Units:** 3
This course covers ethical practices and crisis intervention strategies for diverse and vulnerable populations, emphasizing systems, strengths-based, and culturally informed approaches to issues such as suicide,

domestic violence, sexual assault, substance abuse, grief, and violence.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV179

**Lean Operations & Yellow Belt Certification**
**Units:** 3
This course introduces students to the foundational tools and techniques of Lean and Yellow Belt-level Six Sigma. Students learn to identify waste, analyze workflows, use visual and process-control tools, apply problem-solving methods, and participate effectively on process-improvement teams. Emphasis is placed on real-world applications in the private and public sectors, including healthcare, transportation, logistics, and business services. Learners gain hands-on experience with Lean tools, process mapping, root-cause analysis, and basic control methods, preparing them to support and lead small-scale improvement initiatives. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
PASV180
Introduction to Six Sigma: Process Improvement Foundations

# PASV180

**Introduction to Six Sigma: Process Improvement Foundations**
**Units:** 3
This introductory course provides students with foundational knowledge of process improvement, Lean thinking, and Six Sigma principles used across industries, including healthcare, transportation, logistics, service operations, and public and business administration. Students will learn to analyze workflows, identify waste, understand variation, and recognize opportunities for improvement using basic tools such as process maps, SIPOC, 5 Whys, and basic measurement concepts. The course prepares learners for entry-level process improvement roles and serves as the prerequisite for Lean/Yellow Belt and Green Belt certification courses. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## PUBLIC AND ENVIRONMENTAL HEALTH

# PHLT100

**Introduction to Principles of Environmental Health**
**Units:** 3
This course is designed to provide an overview of the principles and practice of the field of environmental health. Over the course of this program, you will develop knowledge and skills to identify environmental health hazards from waste, water, food, pests, unsanitary housing and other environmental factors. Students will learn from lectures, reading, coursework and guest speakers. This course will provide transfer credit to a California State University.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHLT101

**Environmental Health: Legislation, Inspection and Enforcement**
**Units:** 3
This course is designed to provide knowledge and skills of inspection-based programs in Environmental Health. Students will learn the laws, regulations, procedures and cases related to Environmental Health areas. The course will examine the importance of regulatory health through educational approach, community outreach, inter and intra-agency collaboration, and technical aspects of inspections.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PHLT102

**Environmental Health Technician**
**Units:** 3
This course is designed to provide students with the background, skills and knowledge to apply for environmental health technician positions, or similar positions such as pest control technicians.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## PUBLIC WORKS

# CNST140

**Construction Drawings and Technical Specifications**
**Units:** 3
This course provides students with foundational knowledge and practical skills in reading and interpreting construction drawings and specifications used in public works and building construction. Designed for emerging professionals in construction inspection, code enforcement, and construction management, the course emphasizes how to navigate plan sets and technical documents from conceptual design through final construction. Students will gain fluency in identifying plan types, symbols, and abbreviations, and learn how to apply construction codes, specifications, and cost-estimating practices in real-world scenarios. Topics include the Uniform Drawing System, Construction Specifications Institute (CSI) divisions, architectural and engineering scales, construction math, and blueprint interpretation for structural, civil, and MEP (mechanical, electrical, and plumbing) systems. The course also incorporates quantity takeoffs, cost estimating using current data, and exposure to industry-standard software tools. Site visits and guest lectures enhance learning through real-world application.

By the end of the course, students will be able to evaluate construction

plans and determine compliance with building codes, and accurately estimate material quantities and costs.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNST141

**Estimating & Bidding strategies in Public and Private Sectors.**
**Units:** 3
This course provides students with essential tools and strategies for construction estimating, preconstruction planning, and bidding. Students will examine cost estimation methodologies, apply quantity takeoff processes using digital tools, evaluate market conditions, and understand bid development in public and private sector projects. Emphasis is placed on the estimator's role in identifying potential risk factors, communicating estimates effectively, and supporting overall project success. The course also introduces Lean Construction principles and Target Value Design as critical components of modern preconstruction planning. Through real-world case studies and project-based learning, students will gain hands-on experience in developing reliable estimates that align with current industry standards and technologies.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNST142

**Construction Finance and Public Sector Budgeting.**
**Units:** 3
This course provides a foundational understanding of accounting and financial management practices essential to the construction industry. Students will explore the principles of construction-specific accounting, including job costing, payroll, revenue recognition, and project forecasting. Emphasis will be placed on interpreting financial statements, understanding internal controls, managing risk, and implementing best practices in cash flow and budgeting. The course also introduces entity structures and their tax implications, along with an overview of surety, bonding, and insurance. Designed for emerging and mid-level professionals, this course prepares learners to make informed financial decisions, enhance fiscal accountability, and contribute to the financial success of construction projects and firms.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNST143

**Legal Frameworks & Contract Administration**
**Units:** 3
This course provides a comprehensive introduction to the legal principles and contract management practices essential to the construction industry. Students will explore the legal structure that governs construction projects, including key aspects of contract formation, performance obligations, and remedies for breach. The course also addresses the roles, rights, and responsibilities of contractors, subcontractors, and design professionals, with emphasis on mechanics liens, stop notices, and payment bond rights. In addition, students will examine dispute resolution strategies such as mediation, arbitration, and litigation, as well as licensing requirements, public works regulations, and methods to mitigate legal risk. Through case studies, industry examples, and legal analysis, students will gain practical skills to identify and manage potential legal challenges in real-world construction settings.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNST144

**Project Scheduling & Operations Control**
**Units:** 3
This course provides students with a comprehensive foundation in construction project scheduling and control. Emphasizing both theoretical frameworks and practical applications, the course introduces industry-standard scheduling methods, including the Critical Path Method (CPM), and explores how to effectively manage project timelines, costs, and resources. Students will learn how to develop, analyze, and update project schedules from pre-construction through project closeout using scheduling software such as Primavera P6. Through lectures, hands-on exercises, and real-world case studies, students will examine schedule logic, resource loading, cost allocation, delay analysis, and time impact evaluation. The course prepares students to interpret project data, prepare look-ahead schedules and progress reports, and proactively mitigate delays using industry best practices. This course is essential for those pursuing careers in construction management, project controls, and public infrastructure delivery.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# CNST145

**Integrated Construction Project Management**
**Units:** 3
This advanced course explores construction project management through the lens of modern project delivery, contract strategies, and professional growth. Students will analyze methods for preparing competitive bids and managing construction projects from pre-design through close-out. Emphasis is placed on real-world applications including business development, risk mitigation, public and private sector distinctions, marketing, proposal writing, and the integration of technology such as Building Information Modeling (BIM). Group work and collaborative discussions will provide a dynamic, engaging learning environment as students build a comprehensive project delivery reference guide and apply lessons to real industry scenarios.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HCA100

**Introduction to Health Care Administration**
**Units:** 3
This course provides students entering the healthcare administration field with an introduction to the organization and delivery of healthcare in the United States. The management of various healthcare enterprises including hospitals and health systems, physician practices and clinics,

and public health organizations will be reviewed. Students explore multiple healthcare disciplines and entry-level skills to the medical field while comparing educational pathways, credentialing, and job opportunities. The course also emphasizes professional behavior, effective communication, ethics, and cultural competence in healthcare contexts. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HCA101
**Health Care Management and Organization**
**Units:** 3
This course provides students with a comprehensive introduction to healthcare management, organization and front office operations in medical settings. Emphasis is placed on developing the administrative, technical, and communication skills necessary to manage daily activities in a healthcare organization. Topics include customer service critical in hospitals, medical records management, insurance and billing procedures, appointment scheduling, regulatory compliance, and professional interaction with patients and healthcare staff. Students will gain an understanding of the organizational structure of healthcare systems and the vital role of front office professionals in ensuring efficient and compliant administrative operations. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HCA102
**Health Care Administration: Medical Terminology**
**Units:** 3
This course introduces students to the specialized language of medicine as it applies to health care administration. Emphasis is placed on understanding, analyzing, and correctly applying medical terminology in administrative, clinical, and documentation settings. Students will study the structure of medical words,prefixes, roots, and suffixes,along with terms related to anatomy, physiology, pathology, diagnostics, and treatment. The course prepares students to accurately interpret and communicate medical information used in records, insurance claims, and interdepartmental communication. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# HCA103
**Health Care Administration, Law and Ethics**
**Units:** 3
This course provides an integrated overview of the U.S. healthcare system, focusing on administrative functions, legal frameworks, and ethical considerations. Students will explore how healthcare organizations are managed, regulated, and guided by ethical principles in decision-making. Topics include healthcare structure and financing, leadership and policy, patient rights, risk management, informed consent, HIPAA, and current ethical issues such as access to care, end-of-life decisions, and emerging technologies. Field trips may be required,
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV101
**Intro to State Code Enforcement and Compliance**
**Units:** 3
This introductory course provides students with a comprehensive overview of the principles, practices, and responsibilities of municipal code enforcement. Students learn the role of code enforcement officers in promoting community health, safety, and quality of life through the application of local ordinances and state laws. Topics include the foundations of local government authority, public interaction, enforcement tools and procedures, due process, inspection techniques, and ethical considerations. The course prepares students for entry-level work in municipal code enforcement divisions and related regulatory fields. Field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV120
**Introduction to Urban Planning**
**Units:** 3
This course introduces the field of urban planning and examines the historical, social, economic, and environmental factors that influence the development of urban environments. Topics include urban development, land use, zoning, transportation, housing, sustainability, and the roles of government and the private sector in shaping cities. Emphasis is placed on understanding the challenges and opportunities facing urban areas in the modern world. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV181
**Code Enforcement Officer Work Experience Education (WEE)**
**Units:** 1-4
This work experience course, which involves supervised employment, is designed to help students acquire desirable work habits, attitudes, and skills in a field related to their major, enabling them to become productive employees. This course also provides students with career awareness for various job opportunities. 54 hours of paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54-216
**Requisites:** Prerequisite
CJ101
Introduction to Criminal Justice
**AND**
Prerequisite
PASV150
Introduction to Public Administration

# PASV182

**Six Sigma Green Belt Certification (DMAIC)**
**Units:** 3
This advanced course prepares students to lead and support process-improvement projects using the Six Sigma DMAIC methodology. Students learn to define improvement opportunities, measure and analyze process performance, identify root causes using statistical tools, implement improvements, and establish sustainable controls. Instruction emphasizes real-world applications across service industries, healthcare, logistics, transportation, administrative systems, and business operations. Learners complete a full DMAIC project (or case-based equivalent) as part of certification requirements. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
PASV180
**AND**
Prerequisite
PASV179

# PASV190

**Distribution Center & Warehouse Management**
**Units:** 3
This course provides an overview of warehouse and distribution center operations within the supply chain. Students learn essential functions such as receiving, storage, picking, packing, shipping, inventory control, and the use of warehouse technology. Emphasis is placed on operational efficiency, safety, facility layout, and the role of warehouses in supporting distribution networks. This course prepares students for entry-level work in warehouse, logistics, or inventory environments. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV191

**Transportation Management**
**Units:** 3
This course provides an overview of transportation systems and their role in logistics and supply chain management. Students learn the characteristics of major transportation modes, carrier selection, freight documentation, routing, rate structures, and regulatory requirements. Emphasis is placed on efficient movement of goods, cost analysis, safety compliance, and coordination of inbound and outbound freight. The course prepares students for entry-level roles in transportation planning, logistics coordination, and freight operations. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV192

**Introduction to Logistics & Supply Chain Management**
**Units:** 3
This course introduces students to the fundamental concepts, processes, and strategies of logistics and supply chain management. Topics include the flow of materials, information, and finances; key logistics functions such as transportation, warehousing, and inventory; demand planning; procurement; and customer service. Emphasis is placed on understanding how supply chains create value, reduce cost, and support global trade. This course prepares students for further study in logistics, transportation, and distribution. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PASV199

**Public Administration Work Experience Education (WEE)**
**Units:** 1-4
This supervised work experience course provides students with the opportunity to develop professional work habits, attitudes, and skills in a field related to their major, enhancing productivity and career readiness. The course also promotes awareness of career opportunities. 54 hours of paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54-216
**Requisites:**
Prerequisite
PASV150
Introduction to Public Administration
**AND**
Co-Requisite
PASV152
Preparing for Supervision Public Sector

# PBLC050

**Fundamentals of Public Works**
**Units:** 3
Provides basic knowledge of Public Works, including history and development, department functions, careers opportunities and future trends. Emphasis is placed on math problems, communication and computer application. Field trips may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC063

**Construction Materials and Testing**
**Units:** 3
Provides basic knowledge properties of methods of use and testing procedures of construction materials used in Public Works. Common materials of construction include portland cement concrete, masonry, timber, iron, steel, plastic, soil and bituminous materials. Optional field trip may be offered. Field trips may be required.

**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC066

**Natural Resources**
**Units:** 1
Introduction to natural resources and waste management. Field trips may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# PBLC067

**Environmental Management**
**Units:** 3
Provides an overview of the processes and requirements to obtain environmental clearance for Public Works construction projects, including other non-environmental related permits. Emphasis is placed on studies as they relate to impacts and mitigations. Field trips may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC068

**Fundamentals of Storm Water Management**
**Units:** 3
Provides basic knowledge of regulatory storm water discharge permits administered by Regional Water Quality Control Board. Emphasis is placed on permit compliance requirements for contractors, business owners, residents and government agencies. Field trips may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC069

**Green Infrastructure Construction**
**Units:** 3
Presents practice of alternative methods for stormwater management. Practices to maintain healthy waters, provide environmental benefits and support sustainable communities while providing flood mitigation, energy use reduction and air quality management. Field trips may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC070

**Construction Inspection**
**Units:** 3
Certification focuses on inspection techniques and procedures for examining materials and evaluating methods used in Public Works construction projects. Emphasis is placed on evasive compliance with contract documents. Field trips may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC074

**Contract Administration**
**Units:** 3
Presents techniques, methods and processes used to manage Public Works construction projects. Emphasis placed on planning, scheduling, execution, controlling and closure, and evaluation of extra work, claims, disputed work and project documentation. Field trips may be required.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC080

**Introduction to Project Management**
**Units:** 3
Utilizing project planning tools and techniques, learn how to define, plan, execute, and deliver projects of all types and sizes. Emphasizes practical application using case studies to organize, schedule, and manage projects effectively. Industry guest speakers included. (No credit if student has taken Business 090, Principles of Project Management .)
Former Title: PBLC 080, Principles of Project Management (Spring 2026).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
BUS090
Principles of Project Management

# PBLC110

**Introduction to Microsoft Project**
**Units:** 3
Provides basic knowledge of how to plan a project, identify and create tasks, estimate workloads, and duration, set up project schedules, maintain the schedule, assign resources, connect resources to tasks, set up a project budget, track progress utilize reports, and close a project using Microsoft Project software. (No credit if the student has taken CIS 110.)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
PBLC110
Introduction to Microsoft Project

# PBLC115

**Plan Interpretation and Cost Estimating**
**Units:** 3
Reading and interpreting construction drawings and specifications related to Construction and Public Works projects,including both horizontal and vertical construction,is essential. This includes identifying and understanding commercial and civil construction blueprint symbols and

abbreviations, as well as interpreting a complete set of bid drawings. Related concepts include basic mathematical formulas and conversions, construction materials and equipment, surveying, and project management. These skills are applied to create project estimates, analyze professional decisions based on ethical principles, utilize electronic-based technology to manage the construction process, and understand the fundamental principles of sustainable construction.
***Former Title:*** PBLC 061, Plan Interpretation and Cost Estimating (Fall 2026).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC125
**Fundamentals of Construction**
**Units:** 3
This course provides a comprehensive survey of professional activities and environments within construction education. It offers an overview of key sectors including residential, commercial, institutional, industrial, public works, and heavy civil construction, along with the relevant codes, standards, and ethical considerations that govern them. Core topics include types of foundations, construction materials, contract documents, working drawings, and industry-specific vocabulary. Students will also be introduced to the fundamentals of construction project management, with concepts applicable across all delivery systems and contract types.
***Former Title:*** PBLC 051, Infrastructure Construction and Maintenance (Fall 2026)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC135
**Applied Construction Management**
**Units:** 3
Construction Management techniques for full lifecycle management of a project from proposal to project close outs. Topics include project scope, safety, quality, and public agency coordination. Related concepts to include project delivery mechanisms, project quality controls and assurance, preconstruction analysis, scheduling, lean construction principles, sustainability, intergovernmental and regulatory compliance, and project commissioning. Prepares students to manage both private sector and municipal/public infrastructure projects utilizing current electronic based technologies. An integrative learning capstone course incorporating all aspects of project management of design-build projects. Technical aspects, social, environmental, and economic issues considered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
PBLC115
Plan Interpretation and Cost Estimating
**AND**
Prerequisite
PBLC125
Fundamentals of Construction

# PBLC154
**Public Sector Human Resources Fundamentals**
**Units: 3**
The purpose of is course is to provide those employed or seeking a career in public service an overview of public sector Human Resources. The course will cover all of the major areas within a full-functioning Human Resources operation. The information presented is intended to provide a working understanding of each of the following disciplines: Public Sector HR Basics, Recruitment and Selection, Job Classification and Compensation, Employee Benefits, Labor and Employee Relations, EEO and Diversity, Risk Management, and Organizational Development.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# PBLC199
**Public Works Work Experience Education (WEE)**
**Units:** 1-4
This course will provide students majoring in the Public Works the opportunity to apply knowledge and skills gained from college courses in a professional work setting. Students must be enrolled in a minimum of six Public Works units. Job site experience will train the student in additional job skills that will transfer classroom learning to the workplace. One (1) unit of credit requires 54 hours of paid or unpaid work experience. Units may be awarded in increments of 0.5. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience education. Open Entry/Open Exit
***Former Title:*** PBLC199, Cooperative Work Experience Education (Spring 2026)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 54-216
**Requisites:** None

# READING

# READ101
**Introduction to Academic Reading**
**Units:** 3
Instruction toward students' mastery of higher-level vocabulary, reading comprehension at the level of proficiency, critical evaluation of college-level text, and improvement of reading rate.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# READ102
**Academic Reading**
**Units:** 3
Introduces a repertoire of reading strategies aimed at preparing students for comprehension of complex college-level reading material. Advanced reading strategies provide the foundation for the development of critical reading and the recognition of patterns of academic thought. Reading strategies for specific disciplines, including the Social Sciences, Business, Humanities and the Arts, Mathematics and the Natural Sciences are presented.
**Transferability:** Transferable to CSU only

**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# READ128

**Expanding ESL Reading Skills**
**Units:** 1
This course is designed to help students approach intermediate-level reading materials in their ACE/ESL courses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for American College English (ACE) courses, including: ACE 052 and ACE 053.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Advisory
Qualifying profile from the placement process.

# READ129

**Refining ESL Reading Skills**
**Units:** 1
This course is designed to help students approach low-advanced reading materials in their content area courses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for American College English (ACE) courses, including: ACE 093 and ACE 102.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:**
Advisory
ACE106
Academic Reading and Writing 2
Students are advised to concurrently enroll in American College English 102.
**OR**
Advisory
Qualifying profile from the placement process.

# READ130

**Reading Strategies for Across the Curriculum**
**Units:** 1
This course is designed to help students approach difficult reading materials in their content area courses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline specific courses.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Advisory
Concurrently enrolled in another discipline course.

# READ131

**Reading in Apprenticeship**
**Units:** 1
This course is designed to help students approach challenging and varied reading tasks on topics related to Apprenticeship courses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in Career Education-Apprenticeship, which includes: Carpentry, Cosmetology, Electrician, Maintenance Mechanic, Operating Engineers, Power Lineman, and Surveying.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Advisory
Concurrently enrolled in an SCC Apprenticeship course

# READ132

**Reading in Career Education**
**Units:** 1
This course is designed to help students approach challenging and varied reading tasks on topics related to Career Education courses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in Career Education (CE), which includes: American Sign Language, Biotechnology, Business and Computer Related Programs, Careers in Education, Child Development, Code Enforcement, Criminal Justice, Digital Media Arts, Graphic Design, Gemology, Public Works, Real Estate, Survey/Mapping Sciences, TV/Video Communications, and Water Utility Science.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Advisory
Concurrently enrolled in an SCC Career Education (CE) course.

# READ134

**Reading in the Social Sciences**
**Units:** 1
This course is designed to help students approach challenging and varied reading tasks on topics related to Social Science areas by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in Cultural, Behavioral, and Social Sciences, which includes: Anthropology, Chicano Studies, Economics, Ethnic Studies, Gender Sexuality, and Women's Studies, Geography, History, Global Studies, International Development, Political Science, Psychology, and Sociology.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Advisory
Concurrently enrolled in an SCC Cultural, Behavioral, or Social Science course.

# READ136

**Reading in STEM**
**Units:** 1
This course is designed to help students approach challenging and varied reading tasks on topics related to STEM areas by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in Science, Technology, Engineering, and Mathematics (STEM), which includes: Anatomy, Astronomy, Biology, Chemistry, Environmental Science, Geology/Earth Science, Kinesiology, Microbiology, Nutrition and Dietetics, Oceanography, Physics, and Computer Science; Aerospace,

Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geomatics, Industrial, and Mechanical Engineering; Algebra, Calculus, Liberal Arts Math, Statistics and Probability, and Trigonometry.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Advisory
Concurrently enrolled in an SCC STEM course

# READ138
**Reading in the Humanities**
**Units:** 1
This course is designed to help students approach challenging and varied reading tasks on topics related to the Humanities areas by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in the Humanities, which includes: Art, Communication, English, Literature, Modern Languages, Performing Arts, and Philosophy.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** Advisory
Concurrently enrolled in an SCC Humanities course.

# READ150
**Critical Reading**
**Units:** 3
This course addresses the relationship between critical reading and critical thinking, including emphasis on the development of critical reading and thinking skills that facilitate the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
ENGLC1000
Academic Reading and Writing
Previous or concurrent enrollment in ENGLC1000 or English 101
**OR**
Advisory
ENGLC1000H
Academic Reading and Writing - Honors
Previous or concurrent enrollment in ENGLC1000H or English 101H

# READ151
**Critical Reading and Analysis**
**Units:** 3
Critical Reading and Analysis is a course for students from all academic disciplines who seek to develop the relationship between critical reading and critical thinking through logical reasoning and analysis. Students gain experience in research strategies, annotation, metacognition, and formal critical response writing.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
ENGLC1000
Academic Reading and Writing
**OR**
Prerequisite
ENGLC1000H
Academic Reading and Writing - Honors

# REAL ESTATE

# RE054
**Community Management Basics of Association Management 1**
**Units:** 3
This series provides a broad overview of the Common Interest Development (CID) industry and specific requirements to meet your communitys expectations, including: community association definitions and types; client relations and communications; volunteer roles and operations; governing document structure; financial management obligations; practical administration skills; and insurance practice and risk management. This Course is required of all students seeking to secure their CCAM certification for the first time.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE055
**Community Management Basics of Association Management 2**
**Units:** 3
This series provides a broad overview of the Common Interest Development (CID) industry and specific requirements to meet your communitys expectations, including: community association definitions and types; client relations and communications; volunteer roles and operations; governing document structure; financial management obligations; practical administration skills; and insurance practice and risk management.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
RE054
Community Management Basics of Association Management 1

# RE056
**Community Management CA Law Series 1**
**Units:** 3
This interactive series is made up of four topic modules that include best practices and the laws you must know and apply when managing community associations in California, including basic principles of California laws regarding common interest developments (CIDs), financial operations and management, and meeting and records.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE057
**Community Management CA Law Series 2**
**Units:** 3
This interactive series is made up of four topic modules that include best practices and the laws you must know and apply when managing community associations in California, including basic principles of California laws regarding common interest developments (CIDs), financial operations and management, and meeting and records.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
RE056
Community Management CA Law Series 1

# RE058
**Foundational Ethics for Community Managers**
**Units:** 1
During this interactive course, a variety of scenarios that demonstrate the official rules of conduct for community managers will be discussed. Participants will review CACMs (California Association of Community Managers) Code of Professional Ethics and Standards of Practice and gain an understanding of ethics complaints, disciplinary actions and the appeals procedures.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# RE102
**Real Estate Principles**
**Units:** 3
Provides basic information about real estate and prepares students for advanced study in specialized courses. Includes deeds, titles, agency, contracts, mathematics, finance, appraisal, escrow, leases. Required for the California real estate salesperson license.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE103
**Legal Aspects of Real Estate**
**Units:** 3
California real estate law including contracts, ownership, estates, easements, landlord-tenant, trust deeds, liens, agency, security devices, and land use. Applies towards: (1) required course for the California real estate salesperson licensing and (2) California real estate broker's license requirements.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE105
**Real Estate Practice**
**Units:** 3
Operation of the real estate business and the role of the agent. Includes listing, prospecting, sales techniques, use of current real estate forms; financing, title insurance, escrow, and taxation. This course is required for the educational requirement for the California real estate salesperson license and may be applied toward the California real estate broker license requirements.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE106
**Real Estate Finance**
**Units:** 3
Analysis of real estate financing. Covers the mortgage market, lenders, conventional and government-backed loans, processing and closing loans, foreclosures. Applies towards the partial fulfillment for the educational requirements for (1) California real estate salesperson license and (2) California real estate broker license.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE110
**Real Estate Economics**
**Units:** 3
Covers the factors influencing real estate values. Includes business cycles, regional and community growth, influences on real estate development. Applies towards the partial fulfillment for the educational requirements for (1) California real estate salesperson license and (2) California real estate broker license.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE112
**Real Property Management**
**Units:** 3
Principles and practices of managing residential, apartment, commercial, and income properties. Covers property management, leases and contracts, collections, rent schedules, tenant selection and supervision, and budgets. Applies towards the partial fulfillment for the educational requirements for (1) California real estate salesperson license and (2) California real estate broker license.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE114
**Appraisal Principles and Procedures**
**Units:** 3.5
The principles and procedures of appraisal used to estimate market values; location analysis, standards and ethics, and the sales comparison, cost, and income approaches for residential properties. The course applies 60 hours of educational instruction towards the requirements for licensure from the California Office of Real Estate Appraisal (OREA). The course is required for the appraisal licenses for Trainee, Residential, Certified Residential, and Certified General license. The course meets the requirement for the Department of Real Estate (DRE) Brokers License and qualifies as one of the required courses for the Salespersons License. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 63 **Lab Hours:** 0
**Requisites:** None

# RE116
**Residential Real Estate Appraisal**
**Units:** 3.5
Studies in residential market analysis and highest and best use; residential appraiser site valuation and cost approach; and residential sales comparison and income approach. The course applies 60 hours of educational instruction towards the requirements for licensure from the California Office of Real Estate Appraisal (OREA). The course is required for the appraisal licenses for Trainee, Residential, Certified Residential, and Certified General license. The course meets the requirement for the Department of Real Estate (DRE) Brokers License and qualifies as one of the required courses for the Salespersons License.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 63 **Lab Hours:** 0
**Requisites:** None

# RE117
**Residential Report Writing and Case Studies**
**Units:** 1
Residential report writing and case studies in appraisal to include theories, techniques, and procedures of using various residential forms and reports for appraisal. The course applies 16 hours of educational instruction towards the requirements for licensure from the California Office of Real Estate Appraisal (OREA). The course is required for the appraisal licenses for Trainee, Residential, Certified Residential, and Certified General license.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 0
**Requisites:** None

# RE151
**Fundamentals of Escrow**
**Units:** 3
This course covers the principles and current practices of the escrow process in California. Topics include terminology, documentation, escrow instructions, encumbrances, interest adjustments, reconveyance, mortgages, insurance, taxes, and fees, other processing details pertinent to the handling of an escrow from inception to closing including fiduciary and ethical responsibilities. This course is one of the elective courses for the real estate salesperson or broker license requirement as set forth by the California Bureau of Real Estate (BRE).
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# RE153
**Real Estate License Preparation**
**Units:** 3
Real estate licensure preparation. Fundamental information regarding the practice of real estate with an emphasis on real estate law, principles, practice, and other topics covered in the state licensure examination. An important preparation for those intending to take the California real estate salespersons or brokers license examination. Former Title: Real Estate 053, Real Estate License Preparation (2020)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
RE102
Real Estate Principles
**OR**
Prerequisite
RE105
Real Estate Practice

# RE155
**Real Estate the Ethical Way**
**Units:** 2
Familiarizes students, as future or current real estate professionals, with the Realtor(TM) Code of Ethics. Provides examples of ethically challenging situations in real estate transactions and daily work. Examines duties and responsibilities. Provides analytical strategies for ethical decision making.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 0
**Requisites:** None

# RE171
**Real Estate Work Experience Education (WEE)**
**Units:** 1-4
Through a set of learning objectives established by the student, on-the-job supervisor and instructor, students will extend their classroom-based occupational learning by working at a job related to their major and to their occupational goal. 0.5 - 4 Units of Real Estate Work Experience Education/Career Internship require . 54 work equals one unit of course credit. Units may be awarded in increments of 0.5. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience education. Open Entry/Open Exit
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None

**Lecture Hours:** 0 **Lab Hours:** 54-216
**Requisites:**
Advisory
REI02
Real Estate Principles
**AND**
Advisory
REI05
Real Estate Practice

# SOCIOLOGY

## SOC101
**Introduction to Ethnic Studies**
**Units:** 3
This introductory course will take an intersectional and interdisciplinary approach to the examination of the cultural, economic, educational, and political issues that impact the four historically racialized groups (Native Americans, African Americans, Asian Americans, and Latinx Americans) within the United States. This course will analyze how racial formations have been constructed and contested, as well as, provide theories and tools to understand and combat racism across multiple relations of power.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
ETHN101
Introduction to Ethnic Studies

## SOC115
**Death and Dying**
**Units:** 3
This course includes various perspectives on death, both cross-cultural and historical. Examines beliefs, traditions, rituals and practices surrounding death; health care systems (the hospital and the dying patient, hospice, etc.); death and the process of dying; bioethics - dying in the technology age; euthanasia, suicide, funerals, grief, and bereavement; the law and death, including living wills, organ donation, and autopsies; and life after death - old and new meanings. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## SOC116
**Social Problems**
**Units:** 3
An extensive survey of contemporary social trends and problems through an intersectional sociological analysis concentrating on their contributing factors, complexities, consequences, and possible solutions. Special emphasis will be placed on the U. S., with consideration of the global perspective. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## SOC120
**Introduction to Sociological Research Methods**
**Units:** 3
This course introduces students to the principles of sociological research and design. Students will examine the roles of variables, hypotheses, and sociological theory in research, and discuss issues of ethics in research. It will review quantitative and qualitative methods of data collection, analysis, and reporting, including survey, observational, and experimental research methods. Optional field trips may be offered.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
SOC100
Introduction to Sociology
**OR**
Prerequisite
SOC100H
Honors Introduction to Sociology
**AND**
Advisory
STATC1000
Introduction to Statistics
**OR**
Advisory
STATC1000H
Introduction to Statistics - Honors
**OR**
Advisory
STATC1000E
Introduction to Statistics

## SOC125
**Introduction to Statistics in Sociology**
**Units:** 3
An introduction to the basic statistical methods and analyses commonly used in sociological and social justice research. Topics include: descriptive and inferential statistics usually include levels and types of measurement; measures of central tendency and dispersion; normal, t, and chi-square distributions; probability and hypothesis testing; correlation and regression. Applications of statistical software to sociology and/or other social science and social justice data required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

## SOC125H
**Honors Introduction to Statistics in Sociology**
**Units:** 3
An introduction to the basic statistical methods and analyses commonly used in sociological and social justice research. Topics include: descriptive and inferential statistics usually include levels and types of measurement; measures of central tendency and dispersion; normal, t, and chi-square distributions; probability and hypothesis testing; correlation and regression. Applications of statistical software to sociology and/or other social science and social justice data required.

**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better. OR Qualifying profile from the mathematics placement process.

# SOC130

**Relationships, Marriages, and Family Dynamics**
**Units:** 3
In-depth examination of the sociological study of the process of developing intimate relationships leading to committed partnerships and marriages with emphasis on the intersectionality of communication, understanding relationship dynamics, parenting and reproduction, diverse family systems, familial conflict and stress, and changing familial structures. In addition, this course will determine the role of social institutions in establishing cultural norms around the development of relationships, marriages, and families. Fields trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SOC160

**Introduction to Criminology**
**Units:** 3
This course is a study of theories of crime and criminal behavior, including an explanation of crime, socio-historical contexts of crime, crime as a social construct, correlative factors of criminal activity, and how crime is measured. Major sociological and social science theories will be explored surrounding the issues of crime and criminal behavior including a critical intersectional approach to the analysis of institutional and interactional experience with crime and criminality. Optional field trips may be offered.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SOC210

**Sociology of Medicine**
**Units:** 3
This course analyzes the social contexts of health, illness, medicine, and medical care. Through empirical research and theory, changing concepts of health, illness and medical practice are examined through their socio-historical, interactional, institutional, and intersectional contexts. Topics include: social epidemiology, the biomedical and social construction of health/illness, the medical model, the experience of illness, the transformations of health professions including the health work force, inequalities of and access to health care, medical technology, and global comparisons of health care and health care reform. Optional field trips may be offered.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SOC220

**Introduction to Gender and Sexualities**
**Units:** 3
This course applies sociological theory and method to the study of gender and sexuality from a cross-cultural perspective. It includes historical and contemporary analysis of masculinities and femininities and their relationship to social institutions, such as the family, schools, the military, religion, mass media, and popular culture. It examines the impact of economic and political change on sexuality, and gender expectations and practices. The approach uses macro-level analysis of institutional effects on gender construction and sexuality, and micro-level analysis of socialization and "doing gender." It considers how the intersecting axis of race, class, gender, and sexuality shape individual and group experience. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SOC230

**Drugs and Society**
**Units:** 3
This course introduces concepts, theories and perspectives associated with the sociological analysis of drugs and alcohol, including an examination of historical trends in drug consumption, the creation and enforcement of Illicit substances, legal drugs, psychedelic drugs, the war on drugs, discrimination, as well as addiction and harm reduction. Empirical findings along with institutional, intersectional, and interactional analysis will be used with the sociological perspective. Optional field trips may be offered.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SOC240

**Introduction to Social Psychology**
**Units:** 3
A sociological exploration of the interlocking dynamics of the individual and society. Through an examination of the power of the situation, social interaction, and social groups, topics include: aggression, prejudice, attraction, attitudes, group dynamics, self-development and social cognition. Field trips may be required. (No credit if student has taken Psychology 240.)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
PSYC240
Introduction to Social Psychology

# SOC240H

**Honors Introduction to Social Psychology**
**Units:** 3
A sociological exploration of the interlocking dynamics of the individual and society. Through an examination of the power of the situation, social interaction, and social groups, topics include aggression, prejudice, attrac-

tion, attitudes, group dynamics, self-development, and social cognition. Field trips may be required. (No credit if a student has taken Psychology 240.)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Anti-Requisite
PSYC240
Introduction to Social Psychology

# SOC250
**Sociology of Aging and Health**
**Units:** 3
This course applies sociological theory and method to examine the social, structural, and demographic forces that shape the experiences of aging populations. Using sociological perspectives, students analyze how age, social location, culture, family systems, institutions, and public policy shape health, illness, caregiving, long-term care, chronic illness trajectories, and late-life experiences. Particular attention is given to ageism, inequality, intergenerational relationships, access to care and resources, and the broader social contexts that shape health outcomes in older adulthood. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SOC286
**Introduction to LGBTQ Studies**
**Units:** 3
The Introduction to LGBTQ Studies offers an intersectional examination of issues related to the gay, lesbian, bisexual, transgender, and queer experience. Taught from the sociological perspective, this course includes historical and contemporary analyses of the LGBTQ+ community and their relationship to social institutions, and institutional power. The Introduction to LGBTQ Studies also surveys political, legal, and cultural values and actions with a focus on social justice. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SOCIC1000
**Introduction to Sociology**
**Units:** 3
***Part 1 (Identical and Required):***
This course introduces students to Sociology: the study of people, groups, and institutions that shape people's lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society.
***Part 2:***
Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SOCIC1000H
**Introduction to Sociology - Honors**
**Units:** 3
***Part 1 (Identical and Required):***
This course introduces students to Sociology: the study of people, groups, and institutions that shape people's lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. This is an honors course.
***Part 2:***
Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

## SPANISH

# SPAN101
**Elementary Spanish I**
**Units:** 5
Introduction of the Spanish language and culture with emphasis on the development and acquisition of listening, speaking, reading and writing skills. Includes interaction and application of the language in cultural context at the beginning level. Designed for students with very little knowledge or no knowledge of Spanish. Spanish 101 is equivalent to two years of high school Spanish.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:** None

# SPAN101A
**Elementary Spanish IA**
**Units:** 2.5
Introduction to Spanish language and culture with emphasis on the development and acquisition of listening, speaking, reading and writing skills. Includes interaction and application of the language in cultural context at the beginning level. Designed for students with very little knowledge or no knowledge of Spanish. Spanish 101A and Spanish 101B together are equivalent in units and content to Spanish 101 and equivalent to two years of high school Spanish.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None

**Lecture Hours:** 45 **Lab Hours:** 9
**Requisites:** None

# SPAN101B

**Elementary Spanish IB**
**Units:** 2.5
Continue introduction of Spanish language and culture with emphasis on the development and acquisition of listening, speaking, reading and writing skills. Includes interaction and application of the language in cultural context at the beginning level. Designed for students with very little knowledge or no knowledge of Spanish. Spanish 101A and Spanish 101B together are equivalent in units and content to Spanish 101 and equivalent to 2 years of high school Spanish.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 45 **Lab Hours:** 9
**Requisites:**
Prerequisite
SPAN101A
Elementary Spanish IA

# SPAN101H

**Honors Elementary Spanish I**
**Units:** 5
Enhanced and enriched introduction of the fundamentals of the Spanish language and culture with emphasis on the development and acquisition of listening, speaking, reading, and writing skills. Includes interaction and application of the language in cultural context at the beginning level. Designed for students with very little knowledge or no knowledge of Spanish. Spanish 101H is equivalent to two years of high school Spanish.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** A high school or college GPA of 3.0 or above
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:** None

# SPAN102

**Elementary Spanish II**
**Units:** 5
A college level Spanish class focusing on further training of the Spanish Language and culture. Additional emphasis on the development and acquisition of listening, speaking, reading, and writing skills. Includes interaction and application of the language in cultural context. Designed for students who took Spanish 101. Spanish 102 is equivalent to the third year of high school Spanish.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
SPAN101
Elementary Spanish I
**OR**
Prerequisite
SPAN101H
Honors Elementary Spanish I
**OR**
Prerequisite
SPAN101A
Elementary Spanish IA
**AND**
Prerequisite
SPAN101B
Elementary Spanish IB
**OR**
Prerequisite
Two years of high school Spanish.

# SPAN110

**Spanish for Spanish Speakers 1**
**Units:** 5
The course is designed for heritage speakers of Spanish or other linguistically qualified students. It provides instruction that builds upon the existing four basic language skills: listening, speaking, reading, and writing; placing emphasis on acquiring proficiency using formal Spanish at the intermediate level. The course will also focus on language challenges particular to heritage speakers such as orthography, the mix of English and Spanish, and contrasts between standard Spanish and regional variations. It will also increase awareness of linguistic registers, discuss items beyond the familiar routine and develop an appreciation for Hispanic and Latino cultures as manifested in Spanish speaking countries and in the United States. This course is entirely conducted in Spanish.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 0
**Requisites:** None

# SPAN111

**Spanish for Spanish Speakers 2**
**Units:** 5
This course continues to provide instruction that builds upon the existing reading, writing, speaking and listening skills, with emphasis on the mastery of formal written communication at the intermediate-advanced level while integrating authentic cultural and literary readings. The course will also continue to increase awareness of linguistic registers, discuss items beyond the familiar routine and expand upon their appreciation for Hispanic/Latino cultures as manifested in Spanish speaking countries and in the United States. This course is entirely conducted in Spanish.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 0
**Requisites:**
Prerequisite
SPAN110
Spanish for Spanish Speakers 1

# SPAN115

**Practical Communication in Spanish for Teachers**
**Units:** 3
Course emphasizes development of basic reading, oral, and written communication skills in Spanish for realistic situations in a classroom environment. Course also familiarizes students with the culture of Spanish-speakers.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
SPAN101
Elementary Spanish I
**OR**

Advisory
SPAN101H
Honors Elementary Spanish I
**OR**
Advisory
SPAN101B
Elementary Spanish IB

# SPAN125
**Spanish for Healthcare Professionals**
**Units:** 3
Course emphasizes the development of basic reading, oral, and written communication skills in realistic situations focused on everyday interactions in healthcare settings with Spanish speakers. The course expands vocabulary and focuses on phrases and grammar structures useful for effective communicative interactions with Spanish-speaking patients and communities. Course also familiarizes students with cultural aspects relevant to Spanish-speakers to develop cultural awareness and sensitivities in healthcare contexts.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
SPAN101
Elementary Spanish I
**OR**
Advisory
SPAN101H
Honors Elementary Spanish I
**OR**
Advisory
SPAN101B
Elementary Spanish IB

# SPAN194
**Beginning Conversational Spanish**
**Units:** 3
Development of conversational and composition skills. Review of language structure through discussions, conversations, readings, and compositions dealing with Spanish speakers' culture and current events.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
SPAN101
Elementary Spanish I
or Spanish 101B or two years of high school Spanish
**OR**
Prerequisite
SPAN101H
Honors Elementary Spanish I
or Spanish 101B or two years of high school Spanish.

# SPAN195A
**Advanced Conversational Spanish**
**Units:** 3
Further development of conversational skills. Review of language structures as well as reinforcement of new vocabulary and idioms through discussions of reading selections dealing with historical and current events to deepen appreciation of Hispanic cultures.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
SPAN102
Elementary Spanish II

# SPAN195B
**Advanced Conversational Spanish**
**Units:** 3
In this course students continue to develop conversational skills. Provides avenues for the expression of ideas and discussions on an array of topics to deepen appreciation of Hispanic cultures.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
SPAN201
Intermediate Spanish I

# SPAN201
**Intermediate Spanish I**
**Units:** 5
A college-level Spanish class focusing on expansive review of usage and grammar, discussions of interpretive readings, conversation, and composition.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
SPAN102
Elementary Spanish II
or three years of high school Spanish

# SPAN202
**Intermediate Spanish II**
**Units:** 5
A college-level Spanish class focusing on a specialized review of grammar and composition, discussions in Spanish of history and culture based on literary materials.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 90 **Lab Hours:** 18
**Requisites:**
Prerequisite
SPAN201
Intermediate Spanish I
or four years of high school Spanish

# SPAN213
**College Spanish Composition**
**Units:** 3
Comprehensive review and application of Spanish grammar and emphasis on the development of writing based on discussions, cultural, and literary materials.

**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
SPAN110
Spanish for Spanish Speakers I
Previous or concurrent enrollment or three years of high school Spanish
**OR**
Prerequisite
SPAN201
Intermediate Spanish I
Previous or concurrent enrollment or three years of high school Spanish

## SURVEY/MAPPING SCIENCES

# SURV118

**Plane Surveying**
**Units:** 4
History of and careers in surveying. Introduction to survey measurements, distance, direction and elevations with math review. Fundamentals of traverse computations and adjustment. Recording field measurements by hand and electronically.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:** Prerequisite
High School or College Trigonometry, or Precalculus

# SURV119

**Advanced Plane Surveying**
**Units:** 4
Emphasis on coordinate geometry calculations. Route surveying with horizontal and vertical curves. Topographic surveying and mapping. Construction surveying. Introduction to geospatial technologies, boundary surveying and surveys of public lands. Field surveying projects. Assists in passing the land surveyor-in-training exam.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 54
**Requisites:**
Prerequisite
SURV118
Plane Surveying
or possession of a valid Certificate as a Land Surveyor-In-Training (LSIT) issued by any state
**AND**
Advisory
A course that is known as trigonometry or contains trigonometric concepts.

# SURV155

**Introduction to Geographic Information Systems**
**Units:** 3
This course introduces basic scientific principles of Geographic Information Systems (GIS) as they relate to working with data that have important spatial orientation and organization. Geographic concepts and theories are used to develop scientific methods for proper communication of the data and the solution of problems that have spatial relationships. The adaptability of GIS to a wide variety of applications useful for many disciplines is presented. The course covers basic concepts in mapping and orientation, the development of map scales and comparison of different coordinate systems and data error analysis.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 45 **Lab Hours:** 27
**Requisites:**
Anti-Requisite
GEOG155
Introduction to Geographic Information Systems
**AND**
Advisory
Familiarity with PC and Windows operating environment

# SURV205

**Computer Aided Drafting Fundamentals For Surveyors**
**Units:** 3
A first course in computer drafting with applications in land surveying specifically intended for students with land surveying training or experience.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
SURV119
Advanced Plane Surveying

# SURV221

Advanced Problems in Surveying I
**Units:** 3
Measurement analysis, adjustments, geodesy, state plane coordinates, global position system.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
MATH160
Trigonometry
**AND**
Advisory
SURV119
Advanced Plane Surveying

# SURV222

**Advanced Problems in Surveying II**
**Units:** 3
Introduction to photogrammetry emphasizing concepts and calculations. Route surveying includes horizontal and vertical curves, volume calculations and construction staking.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
MATH160
Trigonometry

**AND**
Advisory
SURV119
Advanced Plane Surveying
**AND**
Advisory
SURV221
Advanced Problems in Surveying I

# SURV229
Legal Aspects of Land Surveying I
**Units:** 3
Basic elements of the U.S. Public Land Survey System, including background, history, and subdivisions of sections and restoration of lost corners. Principles of preparing land descriptions for surveyors and title company personnel. Common pitfalls and how to avoid them.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# SURV230
**Legal Aspects of Land Surveying II**
**Units:** 3
Principles and techniques of boundary control. Interpretation of land descriptions, voluntary and involuntary transfer of property, senior rights, simultaneous conveyances, sequential conveyances, and case law pertaining to boundary disputes.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
SURV229
Legal Aspects of Land Surveying I

## THEATRE ARTS

# THEA100
**Introduction to Theatre**
**Units:** 3
An introduction to the art and concepts of theatre through a study of modern and historical theories of dramatic structure, playwriting, directing, design, and acting. Attendance at live theatre is required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# THEA110
**Acting Fundamentals**
**Units:** 3
A study of acting involving the development of acting techniques, styles and disciplines. Provides the student with theory and practical experience with varied characterizations. Emphasizes individual growth and acquired skills necessary to the acting craft.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:** None

# THEA111
**Intermediate Acting**
**Units:** 3
Further study in the art of acting for the stage, investigating in-depth character study, role portrayal, special problems, and personal technique. Acting skills developed through use of exercises, monologues, and scenes from contemporary theatre.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 18
**Requisites:**
Advisory
THEA110
Acting Fundamentals

# THEA118
**Fundamentals of Scene Study**
**Units:** 2
A continued study for the novice actor in the preparation and presentation of scenes from contemporary drama. Students prepare scenes with partners for performance and critique. Recommended for acting majors. Field trips may be required.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals or Audition/Interview

# THEA121
**Beginning Performance Ensemble**
**Units:** 2.5
A study of the standards and expectations for an actor in auditions, casting, rehearsal and performance in a departmental production. All students will be cast in project plays for public presentation.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 36 **Lab Hours:** 36
**Requisites:** Prerequisite
Audition

# THEA122
**Beginning Production Showcase**
**Units:** 3
A study of the performer's process in the development of a character in a live stage performance. Rehearsal and performance hours arranged. Additional hours are required for technical rehearsals, dress rehearsals and performances.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** Audition
**Lecture Hours:** 36 **Lab Hours:** 54
**Requisites:** None

# THEA180A

**Rehearsal and Performance: Drama - Minor/Supporting Role**
**Units:** 2
This course provides experience in the preparation and public performance of a minor or supporting role in a dramatic theatrical production. Students will discover the complexities of working as an ensemble member, while learning to craft a role that is believable and dimensional.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** Audition
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals

# THEA180B

**Rehearsal and Performance: Drama - Leading Role**
**Units:** 2
This course provides intensive experience in the preparation and public performance of a leading role in a dramatic theatrical production. Students will develop their acting techniques and personal process, while learning to negotiate the demanding responsibilities necessary to sustain them through rehearsal and production alike.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals

# THEA181A

**Rehearsal and Performance: Comedy - Minor/Supporting Role**
**Units:** 2
This course provides experience in the preparation and public performance of a minor or supporting role in a comedic theatrical production. Students will learn the requisites of comedic performance and learn how to craft a role that is both dimensional and engaging.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals

# THEA181B

**Rehearsal and Performance: Comedy - Leading Role**
**Units:** 2
This course provides intensive experience in the preparation and public performance of a leading role in a comedic theatrical production. Students will learn the skills and timing needed to play in diverse comedic genres while developing personal process through acquired comedic techniques.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals

# THEA182A

**Rehearsal and Performance: One-Act Plays**
**Units:** 2
This course provides experience in the preparation and public performance of one or more roles in a series of One-Act plays. Students will learn the techniques of creating and performing multiple characters and will further develop their personal performance techniques in plays of diverse styles.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals
**AND**
Prerequisite
Audition

# THEA182B

**Rehearsal and Performance: Original One-Act Plays**
**Units:** 2
This course provides experience in acting, writing and/or directing in one or more original One-Act plays. Students will learn the collaborative process of developing and executing scripts, characters, concepts, and production needs of the short play format, culminating in public performance.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals
**AND**
Prerequisite
Audition and Interview

# THEA183A

**Rehearsal and Performance: Musical - Minor/Supporting Role**
**Units:** 2
This course provides experience in the preparation and public performance of a minor or supporting role in a Musical Theatre production. Students will learn to develop the basic acting, dance, and vocal performance skills required for Musical Theatre, while crafting a believable character when working as an ensemble member.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals
**AND**
Prerequisite

Audition

# THEA183B
**Rehearsal and Performance: Musical - Leading Role**
**Units:** 2
This course provides intensive experience in the preparation and public performance of a leading role in a musical theatre production. Students will continue to develop their vocal, dance, and acting skills, techniques, and personal process, while learning to negotiate the demanding responsibilities of musical theatre performance.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals
**AND**
Prerequisite
Audition

# THEA186A
**Beginning Technical Theatre Production**
**Units:** 2
This course is intended for students interested in hands-on training and experience in the various backstage areas of technical support for a major Theatre Arts production. Students will be part of the technical team, working with the director, stage manager, designers, and crew heads, while serving as a production crew member.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals
**AND**
Prerequisite
Interview

# THEA186B
**Intermediate Technical Theatre Production**
**Units:** 2
Students will gain technical theatre experience working as a crew head in one of the following production areas: Stage management, directorial associate, scenery, properties, costuming, makeup, lighting, and/or sound.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals
**AND**
Prerequisite
Interview

# THEA186C
**Advanced Technical Theatre Production**
**Units:** 2
This course explores the artistic and organizational techniques and practices required of a stage manager, assistant director, production manager, and designer/coordinators. Students will be involved as members of a Santiago Canyon College Theatre Arts artistic production team working on a major production.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 18 **Lab Hours:** 54
**Requisites:**
Advisory
THEA110
Acting Fundamentals
**AND**
Prerequisite
Interview

# WATER AND WASTEWATER TECHNOLOGY

# WATR048
**Wastewater Operator Exam Review**
**Units:** 0.5
This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Wastewater Treatment Operator examinations.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 0
**Requisites:** Advisory
WATR081
Wastewater Treatment

# WATR054
**Advanced Treatment Exam Preparation**
**Units:** 0.5
This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Treatment Operator T3 and T4 examinations.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 0
**Requisites:** None

# WATR056
**Treatment Exam Preparation**
**Units:** 0.5
This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Treatment Operator T1 and T2 examinations.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 0
**Requisites:** None

# WATR057

**Water Distribution Test Preparation**
**Units:** 0.5
This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Distribution Operator D1 and D2 examinations.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 0
**Requisites:** None

# WATR059

**Advanced Distribution Exam Preparation**
**Units:** 0.5
This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Distribution Operator D3, D4, and D5 examinations.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 9 **Lab Hours:** 0
**Requisites:** None

# WATR136

**Introduction to Water Science**
**Units:** 3
An overview of Water Science topics including water sources and supply, water quality and regulations, water transmission and distribution, and treatment of water and wastewater. Discussions will include applicable science and math principles, current events, and Water careers. Optional field trips may be offered. Former Title: WATR020 Introduction to Water Science (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR137

**Water Mathematics and Hydraulics**
**Units:** 3
Practical application of mathematics to perform unit conversions and to calculate areas, volumes, flow rates, pressures, velocities, chemical dosages, and related hydraulic calculations used in water system operations. Former Title: WATR 050 Water Mathematics and Hydraulics (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR138

**Water Conservation Practitioner**
**Units:** 3
Theoretical and practical training in applied water use efficiency. Includes residential, commercial, and landscape customers, water uses, budgets, demand management, water audits, best management practices, rate structures, program design and management. Preparation for American Water Works Association (AWWA) Grade 1 and 2 Water Conservation Practitioner certification. Optional field trips may be offered.
***Former Title:*** WATR 052, Water Conservation Practitioner (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR139

**Water Reclamation and Reuse**
**Units:** 3
Fundamentals of reclaimed water, includes case studies and history of reclaimed water development. Planning, design and construction of reclaimed distribution systems. Problems regarding marketing, legislation and regulations for reclaimed water. Includes microbiology and health/safety issues. Optional field trips may be offered.

***Former Title:*** WATR 085, Water Reclamation and Reuse (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR140

**Water Utility Maintenance and Construction**
**Units:** 3
Overview of procedures, equipment, tools, and terminology used in water utility maintenance and construction. Topics include related math calculations and atlas map reading. This course is intended for individuals with minimal field experience who are seeking a career in the Water Industry. Field trips may be required.
***Former Title:*** WATR 060 Water Utility Maintenance and Construction (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR141

**Water Distribution**
**Units:** 3
Presents basic concepts of drinking water distribution, including water sources, water quality, and distribution system components. Water mathematics topics addressed include volume, flow rate, velocity, and chemical feeding calculations. Assists in the preparation for the California State Water Resources Control Board level D1 and D2 Water Distribution Operator certification exams. Optional field trips may be offered.
Former Title: WATR 061, Water Distribution (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
WATR137
Water Mathematics and Hydraulics
or current certification by the California State Water Resources Control Board as a Water Treatment, Water Distribution, or Wastewater Operator

# WATR143
**Electrical Wiring and Controls for Operators**
**Units:** 3
Theoretical and practical skills needed to perform preventive maintenance and minor repair of basic electrical wiring and control systems used in water and wastewater facilities. Optional field trips may be offered.
***Former Title:*** WATR 063, Electrical Wiring and Controls for Operators (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR144
**Pumps and Pumping**
**Units:** 3
Basic pump theory, operation, and repair. Assists operators and technicians in the design, selection, installation and maintenance of various dynamic and positive displacement pumps. Topics include pumps and pump components, hydraulics, and pumping system efficiencies. Optional field trips may be offered.
***Former title:*** WATR 064, Pumps and Pumping (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR145
**Backflow Prevention Devices**
**Units:** 3
Theory, testing, and maintenance of backflow prevention devices in water systems. Prepares the journeyman plumber, plant maintenance operator, and water utility operator to become a certified tester in Orange County. Also prepares the student for the American Water Works Backflow Prevention certification exam.
***Former Title:*** WATR065 Backflow Prevention Devices (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 45 **Lab Hours:** 27
**Requisites:** None

# WATR146
**Water Treatment Fundamentals**
**Units:** 3
Presents the basic operating principles and techniques of the conventional surface water treatment process of coagulation, flocculation, sedimentation, and filtration, plus those of common disinfection processes. Assists in preparation for Grade T1 and T2 Water Treatment Operator certification examination given by the California State Water Resources Control Board, Division of Drinking Water Programs. Optional field trips may be offered.
***Former Title:*** WATR 071, Water Treatment Fundamentals (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
WATR137
Water Mathematics and Hydraulics
or possession of current certification by the State Water Resources Control Board as a Water Treatment, Water Distribution, or Wastewater Treatment Operator.

# WATR148
**Water Quality**
**Units:** 3
Examines basic principles of chemistry and microbiology and applies them to drinking water quality and related state and federal regulations. Optional field trips may be offered.
***Former Title:*** WATR 073 Water Quality (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR149
**Water Quality Laboratory Analysis**
**Units:** 3
This course will present the theory and science behind common analytical methods used in drinking water and wastewater laboratories. Pertinent principles of chemistry and biology will be explored in lecture, and actual procedures will be demonstrated and conducted in the laboratory. No previous study in laboratory sciences is required. Field trips may be required.
***Former Title:*** WATR 074 Water Quality Laboratory Analysis (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 45 **Lab Hours:** 27
**Requisites:** None

# WATR150
**Introduction to Wastewater Treatment**
**Units:** 3
This course provides an overview of the basic principles of wastewater treatment, including wastewater characteristics, collection systems, preliminary, primary, secondary, and tertiary treatment, wastewater recycling, and residual handling. It is intended both for students preparing to become certified wastewater treatment operators and students interested in discovering how the environmental impacts of human activities are minimized through modern wastewater treatment technologies. Field trips may be required.
***Former Title:*** WATR 080 Introduction to Wastewater Treatment (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR151
**Wastewater Treatment**
**Units:** 3
Presents the basic operating principles and techniques of conventional wastewater treatment, including preliminary, primary, and secondary treatment processes, as well as wastewater quality assessment, wastewater collection, and wastewater disposal. Successful completion provides students with 48 Certification for Wastewater Professionals

(CWEA) contact hours and 8 State Water Resources Control Board (SWRCB) educational points. Prepares students for SWRCB Wastewater Treatment Plant Operator exam-Grades 1 and 2. Optional field trips may be offered.
***Former Title:*** WATR 081 Wastewater Treatment (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
WATR137
Water Mathematics and Hydraulics
or possession of valid certification from the State Water Resources Control Board as a Water Treatment, Water Distribution, or Wastewater Treatment Operator

# WATR153
**Collection Systems**
**Units:** 3
Sewer construction, inspection and testing, cleaning methods, safety, elementary hydraulics, pipeline repair, equipment maintenance, communications, and record keeping. Successful completion provides students with 48 CWEA contact hours and 4 SWRCB educational points. Preparation for CWEA Wastewater Collection System exam all Grades. Optional field trips may be offered.
***Former Title:*** WATR 083 Collection Systems (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR155
**California Water Resources**
**Units:** 3
A detailed examination of the supply and demand of water in California. Topics addressed include California's geography and climate, State history and the effects of population growth, water rights, water quality, water uses, the hydrologic cycle, groundwater, and surface water resources. Also addressed are the major water projects in the State and the government agencies responsible for these projects, including projects and agencies that provide water to Orange County. Optional field trips may be required.
***Former Title:*** WATR 107 California Water Resources (Fall 2023)
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** None

# WATR156
**Water Utility Management**
**Units:** 3
This course explores various supervision and management issues of particular relevance to the Water Utility Industry, including water quality regulations, other water industry regulations, employee safety programs, facilities security, emergency response, governing body interactions, and public relations. Field trips may be required.
***Former Title:*** WATR 092 Water Utility Management (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Advisory
BUS222
Business Writing
Previous or concurrent enrollment

# WATR199
**Work Experience Education**
**Units:** 0.5-4
This course is designed for students majoring in Water Utility Science. Students must be enrolled in a minimum of six Water and Wastewater Technology Program units. Job site experience will train the student in additional job skills to enhance academic learning from the classroom to the workplace. Students can earn 0.5-4 units, where 54 work hours equals one unit of course credit. Units may be awarded in increments of 0.5 units. Per Title 5, student repetition is allowed. Students may earn a maximum of 14 units of credit for work experience education by repeating the course up to three times. It may be either paid or unpaid.
Open Entry/Open Exit
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 0 **Lab Hours:** 27-216
**Requisites:** Prerequisite
Successful completion of 6 units in the Water and Wastewater Technology Program

# WATR242
**Advanced Water Distribution**
**Units:** 3
Presents advanced concepts of drinking water distribution, including water quality regulations, distribution system components, maps and records, and supervisory and management topics. Advanced water mathematics topics addressed include applied systems and pump hydraulics. Assists in the preparation for the California State Water Resources Control Board level D2, D3, and D4 Water Distribution Operator certification exams. Optional field trips may be offered.
Former Title: WATR 062, Advanced Water Distribution (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
WATR141
Water Distribution

# WATR247
**Advanced Water Treatment**
**Units:** 3
Examines advanced topics in conventional drinking water treatment processes and disinfection, as well as non-conventional treatment processes. Assists in preparation for Grade T2 and T3 Water Treatment Operator certification examination given by the California State Water Resources Control Board, Division of Drinking Water Programs. Optional field trips may be offered.
***Former Title:*** WATR 072, Advanced Water Treatment (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0

**Requisites:**
Prerequisite
WATR146
Water Treatment Fundamentals

# WATR252

**Advanced Wastewater Treatment**
**Units:** 3
Presents advanced operating principles and techniques of conventional wastewater treatment. Also presents operating principles and techniques of advanced processes including activated sludge, disinfection, tertiary treatment and sludge handling. Successful completion provides student with 48 Certification for Wastewater Professionals (CWEA) contact hours and 8 State Water Resources Control Board (SWRCB) educational points. Prepares student for SWRCB Wastewater Treatment Plant Operator exam-Grades 1 through 5. Optional field trips may be offered.
***Former Title:*** WATR 082, Advanced Wastewater Treatment (Fall 2023)
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:**
Prerequisite
WATR151
Wastewater Treatment

# WATR254

**Advanced Water Treatment Operations**
**Units:** 3
The advanced water treatment operations course presents the basic operating principles of advanced treatment processes used for potable water reuse. Processes such as membranes, ozone, biological activated carbon or biofiltration, and advanced oxidation are evaluated and discussed. Assists in preparation for the Advanced Water Treatment Operator (AWTO) certification examination given by the American Water Works Association (AWWA) and the California Water Environment Association (CWEA). Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** None
**Limitations on Enrollment:** None
**Lecture Hours:** 54 **Lab Hours:** 0
**Requisites:** Prerequisite
Any one of the following will satisfy the prerequisite for WATR254:
1) Proof of a passing grade for the SWRCB T2 Water Treatment certification exam
2) Possession of a valid SWRCB T2 (or Higher) Water Treatment certification
3) Proof of a passing grade for the SWRCB Grade 2 Wastewater Treatment certification exam
4) Possession of a valid SWRCB Grade 2 (or higher) Wastewater Treatment certification

# NON-CREDIT PROGRAMS

## ADULT BASIC EDUCATION

### Adult Basic Education, COM

***Certificate of Competency***

**Program Rules:** Adult Basic Education, COM (Total Hours 216.0 - 216.0)
All of the following
***Certificate requirements: 216 hours (Total Hours 144.0 - 144.0)***
The following number of Hours
ABE024 Adult Basic Education Writing (Total Hours 72.0 - 72.0)
ABE025 Adult Basic Education Mathematics (Total Hours 72.0 - 72.0)
**Select one (1) course from the following: (Total Hours 72.0 - 72.0)**
The following number of Hours
ABE023 Adult Basic Education Reading (Total Hours 72.0 - 72.0)
ABE026 Adult Basic Education Spelling (Total Hours 72.0 - 72.0)
**Control Number:** 33421

### Adult Basic Education/Adult Secondary Education Mathematics, COM

***Certificate of Competency***

The Certificate of Competency in ABE/ASE Mathematics is designed to prepare students for higher level math skills in the Adult High School Diploma Program, General Education Development (GED) Preparation, and college courses.
**Program Rules:** Adult Basic Education/Adult Secondary Education Mathematics, COM (Total Hours 173.0 - 173.0)
The following number of Hours
ABE025 Adult Basic Education Mathematics (Total Hours 72.0 - 72.0)
HSMTH159 Math Fundamentals 2 (Total Hours 72.0 - 72.0)
HSS500 Orientation to High School and Online Learning (Total Hours 29.0 - 29.0)
**Control Number:** 33422

### Adult Basic Education/Adult Secondary Education Reading, COM

***Certificate of Competency***

The Certificate of Competency in ABE/ASE Reading is designed to prepare students for higher level reading skills used in high school courses, General Education Development (GED) Preparation, and college courses.
**Program Rules:** Adult Basic Education/Adult Secondary Education Reading, COM (Total Hours 144.0 - 144.0)
The following number of Hours
HSRDG093 Building Reading Skills 1 (Total Hours 72.0 - 72.0)
HSRDG094 Building Reading Skills 2 (Total Hours 72.0 - 72.0)
**Control Number:** 33420

### Adult Basic Education/Adult Secondary Education Writing, COM

***Certificate of Competency***

The Certificate of Competency in ABE/ASE Writing is designed to prepare students for higher level writing skills in the Adult High School Diploma Program, General Education Development (GED) Preparation, and college courses.
**Program Rules:** Adult Basic Education/Adult Secondary Education Writing, COM (Total Hours 144.0 - 144.0)
The following number of Hours
HSENG066 English Fundamentals 2 (Total Hours 72.0 - 72.0)
HSENG083 Composition 1 (Total Hours 72.0 - 72.0)
**Control Number:** 33555

## ADULTS WITH SPECIAL NEEDS

### Becoming a Social Media Influencer, CC

***Certificate of Completion***

The Certificate of Completion in Becoming a Social Media Influencer introduces students to the fast-growing field of social media influence, with a focus on accessibility and real-world skills. Students will explore the role of influencers in today's digital marketplace, learn how to create engaging content, understand how influencers earn income, and practice strategies for building and maintaining a positive online reputation. Upon completion of the requirements for this certificate, students will be able to identify opportunities in the influencer industry, demonstrate professional online behaviors, and plan a basic social media project that showcases their unique voice and creativity.
**Program Rules:** Becoming a Social Media Influencer, CC (Total Hours 80.0 - 80.0)
All of the following
***Certificate Requirements: (Total Hours 80.0 - 80.0)***
All of the following
WKPR025 Social Media Basics AWD (Total Hours 40.0 - 40.0)
WKPR026 Social Media Skills AWD (Total Hours 40.0 - 40.0)
**Control Number:** 45881

### Diversity in the Workforce, CC

***Certificate of Completion***

The Certificate of Completion in Diversity in the Workforce is designed to give students the necessary knowledge and skills to be successful in the workforce or for future employment. Students will become familiar with different cultures and their influence as well as demonstrate an ability to communicate with a diverse population.
**Program Rules:** Diversity in the Workforce, CC (Total Hours 0.0 - 0.0)
All of the following
WKPR019 Different Communication Styles in the Workforce (Total Hours 0.0 - 0.0)
WKPR020 Different Cultures in the Workplace (Total Hours 0.0 - 0.0)
**Control Number:** 43227

## Effective Communication Skills, CC

***Certificate of Completion***

The Certificate of Completion in Communication Skills for Adults is designed to develop the foundational communication skills necessary for successful employment and continuing education.

**Program Rules:** Effective Communication Skills, CC (Total Hours 240.0 - 240.0)

The following number of Hours

WKPR002 Self-Advocacy (Total Hours 0.0 - 0.0)

WKPR006 Communication Skills for Successful Employment (Total Hours 0.0 - 0.0)

WKPR007 Social Skills and Necessary Etiquette (Total Hours 0.0 - 0.0)

WKPR008 Building Critical Thinking Skills (Total Hours 0.0 - 0.0)

**Control Number:** 36214

## Employment Readiness, CC

***Certificate of Completion***

Provides courses designed to meet specific needs of students with intellectual and learning disabilities focusing on basic education and job skills. Provides certificate programs in educational and employment areas with opportunities to transfer to content courses or directly into the workforce.

**Program Rules:** Employment Readiness, CC (Total Hours 180.0 - 180.0)

The following number of Hours

WKPR003 Getting Around Town (Total Hours 0.0 - 0.0)

WKPR004 Choosing the Right Employment Path (Total Hours 0.0 - 0.0)

WKPR005 Safety on the Job (Total Hours 0.0 - 0.0)

**Control Number:** 36215

## Introduction to Artificial Intelligence (AI) in the Workforce, CC

***Certificate of Completion***

The Certificate of Completion in Introduction to Artificial Intelligence (AI) in the Workforce is designed to give students the basic knowledge and skills to be successful in the workforce or for future employment. Students will become familiar with AI and the applications that can support success in the workforce.

**Program Rules:** Introduction to Artificial Intelligence (AI) in the Workforce, COM (Total Hours 0.0 - 0.0)

All of the following

***Certificate Requirements: (Total Hours 0.0 - 0.0)***

All of the following

WKPR023 Introduction to AI in the Workforce (Total Hours 0.0 - 0.0)

WKPR024 Introduction to Applications of AI in the Workforce (Total Hours 0.0 - 0.0)

**Control Number:** 44233

## Making Remote Employment Work for You, CC

***Certificate of Completion***

The Certificate of Completion in Making Remote Employment Work for You is designed to prepare students in acquiring or improving their soft skills and technology skills necessary for employment.

**Program Rules:** Making Remote Employment Work for You, CC (Total Hours 0.0 - 0.0)

All of the following

WKPR021 Introduction to Working Remotely (Total Hours 0.0 - 0.0)

WKPR022 Soft Skills Necessary for Employees Who Work Remotely (Total Hours 0.0 - 0.0)

**Control Number:** 43259

## Office Leadership Skills, CC

***Certificate of Completion***

The Certificate of Completion in Office Leadership Skills is designed to give students the necessary knowledge and skills to support entry-level front office workers looking for a promotion. The program provides training in public speaking and beginning budgeting skills necessary for payroll services.

**Program Rules:** Office Leadership Skills, CC (Total Hours 184.0 - 184.0)

The following number of Hours

WKPR002 Self-Advocacy (Total Hours 0.0 - 0.0)

WKPR007 Social Skills and Necessary Etiquette (Total Hours 0.0 - 0.0)

WKPR014 Basic Finances in the Workforce (Total Hours 0.0 - 0.0)

WKPR015 Public Communications (Total Hours 0.0 - 0.0)

**Control Number:** 37803

## Office Technology, CC

***Certificate of Completion***

The Certificate of Completion in Office Technology is designed to prepare students in acquiring or improving critical thinking, communication skills, and basic online safety awareness necessary for employment.

**Program Rules:** Office Technology, CC (Total Hours 120.0 - 120.0)

The following number of Hours

WKPR009 Beginning Computers (Total Hours 0.0 - 0.0)

WKPR018 Social Media and Online Safety in the Workplace (Total Hours 0.0 - 0.0)

**Control Number:** 38399

## Technical Skills for Higher Learning, CC

***Certificate of Completion***

The Certificate of Completion in Technical Skills for Higher Learning is designed to provide students the necessary knowledge and technical skills for entry-level support employment and continuing education.

**Program Rules:** Technical Skills for Higher Learning, CC (Total Hours 152.0 - 152.0)

The following number of Hours

WKPR009 Beginning Computers (Total Hours 0.0 - 0.0)

WKPR011 Introduction to Handling Money (Total Hours 0.0 - 0.0)

WKPR014 Basic Finances in the Workforce (Total Hours 0.0 - 0.0)

**Control Number:** 36216

## Transition to Higher Learning, CC

***Certificate of Completion***

The Certificate of Completion in Transition to Higher Learning is designed to give students with intellectual, developmental, and learning disabilities the necessary knowledge and skills to be successful in their college career and future employment. Students will become familiar with college rules and guidelines as well as demonstrate an ability to address and meet their needs.

**Program Rules:** Transition to Higher Learning, CC (Total Hours 120.0 - 120.0)

The following number of Hours
WKPR001 Transition to Higher Learning (Total Hours 0.0 - 0.0)
WKPR002 Self-Advocacy (Total Hours 0.0 - 0.0)
**Control Number:** 36217

## Understanding and Supporting Employees with Disabilities, CC

***Certificate of Completion***

Designed for employers, the Certificate of Completion in Understanding and Supporting Employees with Disabilities provides strategies to create and maintain an inclusive, equitable, and compliant workplace successfully integrating employees with disabilities.
**Program Rules:** Understanding and Supporting Employees with Disabilities, CC (Total Hours 80.0 - 80.0)
The following number of Hours
WKPR100 Understanding Employees with Disabilities in the Workplace (Total Hours 40.0 - 40.0)
WKPR101 Strategies for Working with Employees with Disabilities (Total Hours 40.0 - 40.0)
**Control Number:** 36369

## Working with Students with Disabilities, CC

***Certificate of Completion***

This program provides students with classroom discussion about creating an inclusive classroom for students with disabilities by developing an understanding of different approaches in teaching. It also provides students with in-class strategies to help all students succeed.
**Program Rules:** Working with Students with Disabilities, CC (Total Hours 80.0 - 80.0)
The following number of Hours
WKPR102 Understanding Students with Disabilities (Total Hours 40.0 - 40.0)
WKPR103 Strategies for Instructing Students with Disabilities (Total Hours 40.0 - 40.0)
**Control Number:** 38400

# CUSTODIAL TECHNICIAN

## Custodial Technician, CC

***Certificate of Completion***

The Certificate of Completion in Custodial Technician is designed to give students the necessary knowledge and skills to hold a custodial technician position. Students will learn safety standards and basic training of hazard materials (HAZMAT) set by California's Occupational Safety and Health Administration (CAL-OSHA) and Department of Transportation (DOT).
**Program Rules:** Custodial Technician, CC (Total Hours 96.0 - 96.0)
The following number of Hours
VCST101 Custodial Technician (Total Hours 60.0 - 60.0)
VCST102 Basic Hazmat Safety Standards (Total Hours 36.0 - 36.0)
**Control Number:** 36900

# ESL INTEGRATED

## AI and Computer Literacy for ESL, COM

***Certificate of Competency***

The AI and Computer Literacy for ESL Certificate of Competency is designed to enhance the English language, workplace, and digital literacy skills of students with limited English proficiency. It enables English language learners to leverage modern technologies to support their language acquisition for success in workplace, academic, and everyday settings.
**Program Rules:** AI and Computer Literacy for ESL, COM (Total Hours 144.0 - 288.0)
All of the following
ESL606 Computer Skills for ESL (Total Hours 72.0 - 144.0)
ESL607 Artificial Intelligence in ESL (Total Hours 72.0 - 144.0)
**Control Number:** 46019

## English as a Second Language Program, COM

***Certificate of Competency***

The Certificate of Competency in English as a Second Language Program is designed to develop the reading, writing, speaking, and listening skills of limited-English speaking students, through the continuum of ESL classes, in preparation for enhanced job opportunities and transition to academic studies.
Submitted an admin workflow to update the PSLO's expected SLO performance value from 70 to 100.
**Program Rules:** Certificate Requirements: 480 to 1080 hours (Total Hours 480.0 - 1080.0)
The following number of Hours
ESL301 Beginning Low (Total Hours 96.0 - 216.0)
ESL302 Beginning High (Total Hours 96.0 - 216.0)
ESL303 Intermediate Low (Total Hours 96.0 - 216.0)
ESL304 Intermediate High (Total Hours 96.0 - 216.0)
ESL305 Advanced Low (Total Hours 96.0 - 216.0)
**Control Number:** 24285

## Enhanced Advanced ESL Skills, COM

***Certificate of Competency***

The Certificate of Competency in Enhanced Advanced ESL Skills is designed to improve the reading, writing, listening, speaking, and digital literacy skills of Advanced English as a Second Language students for effective communication and personal growth.
**Program Rules:** Enhanced Advanced ESL Skills, COM (Total Hours 144.0 - 216.0)
All of the following
***Certificate Requirements: (Total Hours 144.0 - 216.0)***
All of the following
ESL270 Seminar for Advanced ESL Students (Total Hours 72.0 - 72.0)
ESL503 Advanced Grammar & Writing (Total Hours 72.0 - 144.0)
**Control Number:** 40510

## Enhanced Beginning ESL Skills, COM

***Certificate of Competency***

The Certificate of Competency in Enhanced Beginning ESL Skills improves the reading, writing, listening, speaking, and employability skills of Beginning ESL students for better communication and personal growth.

**Program Rules:** Enhanced Beginning ESL Skills, COM (Total Hours 168.0 - 288.0)

The following number of Hours

ESL250 Seminar for Beginning ESL Students (Total Hours 72.0 - 72.0)

ESL530 American English Pronunciation (Total Hours 96.0 - 216.0)

**Control Number:** 30690

## Enhanced Intermediate ESL Skills, COM

***Certificate of Competency***

The Certificate of Competency in Enhanced Intermediate ESL Skills is designed to improve the reading, writing, listening, speaking, employability, and digital literacy skills of Intermediate English as a Second Language students for more effective communication and personal growth.

**Program Rules:** Enhanced Intermediate ESL Skills, COM (Total Hours 144.0 - 216.0)

All of the following

***Certificate Requirements: (Total Hours 144.0 - 216.0)***

All of the following

ESL260 Seminar for Intermediate ESL Students (Total Hours 72.0 - 72.0)

ESL502 Intermediate Grammar & Writing (Total Hours 72.0 - 144.0)

**Control Number:** 30647

## ESL Advanced, COM

***Certificate of Competency***

The Certificate of Competency in ESL Advanced improves limited-English speaking students' communication skills in English with an emphasis on grammar and writing in preparation for enhanced job opportunities and the transition to academic studies.

**Program Rules:** Certificate Requirements: 192 - 432 hours (Total Hours 192.0 - 432.0)

The following number of Hours

ESL305 Advanced Low (Total Hours 96.0 - 216.0)

ESL306 Advanced High (Total Hours 96.0 - 216.0)

**Control Number:** 33137

## ESL Beginning Multilevel, COM

***Certificate of Competency***

The Certificate of Competency in ESL Beginning Multilevel is designed to give fundamental reading, writing, listening, speaking, and digital literacy skills to limited-English speaking students, preparing them for enhanced job opportunities, academic studies, and increased community participation.

**Program Rules:** Certificate Requirements: 312-432 hours (Total Hours 312.0 - 432.0)

The following number of Hours

ESL300 Literacy (Total Hours 96.0 - 216.0)

ESL440 Beginning Multilevel (Total Hours 216.0 - 216.0)

**Control Number:** 24233

## ESL Beginning, COM

***Certificate of Competency***

The Certificate of Competency in ESL Beginning is designed to give fundamental reading, writing, listening, speaking, and digital literacy skills to limited-English speaking students, preparing them for enhanced job opportunities and academic studies, and increased community participation.

**Program Rules:** ESL Beginning, COM (Total Hours 192.0 - 432.0)

The following number of Hours

ESL301 Beginning Low (Total Hours 96.0 - 216.0)

ESL302 Beginning High (Total Hours 96.0 - 216.0)

**Control Number:** 30644

## ESL for Citizenship, COM

***Certificate of Competency***

The Certificate of Competency in ESL for Citizenship enhances the English language skills of limited-English speaking students while preparing them for the United States Citizenship Exam and civic preparation.

**Program Rules:** ESL for Citizenship, COM (Total Hours 168.0 - 360.0)

The following number of Hours

ESL120 ESL for Citizenship (Total Hours 72.0 - 144.0)

ESL303 Intermediate Low (Total Hours 96.0 - 216.0)

**Control Number:** 24191

## ESL for CNA and Caregiving, COM

***Certificate of Competency***

The ESL for CNA and Caregiving Certificate of Competency is designed to enhance the English language, workplace, and digital literacy skills of students with limited English proficiency who are preparing to enter the workforce as Certified Nursing Assistants and Caregivers.

**Program Rules:** ESL for CNA and Caregiving, COM (Total Hours 96.0 - 128.0)

The following number of Hours

***Certificate Requirements: (Total Hours 96.0 - 128.0)***

The following number of Hours

ESL800 ESL for Healthcare Careers (Total Hours 32.0 - 32.0)

ESL801 ESL for Patient Care Skills (Total Hours 64.0 - 96.0)

**Control Number:** 42317

## ESL Intermediate Communication, COM

***Certificate of Competency***

The Certificate of Competency in ESL Intermediate Communication develops the ability of limited-English speaking students in non-verbal communication skills and the use of formal and colloquial language in preparation for enhanced job opportunities, the transition to academic studies, and increased community participation.

**Program Rules:** ESL Intermediate Communication, COM (Total Hours 144.0 - 288.0)

The following number of Hours

ESL570 Conversation 1 (Total Hours 72.0 - 144.0)

ESL580 Conversation 2 (Total Hours 72.0 - 144.0)

**Control Number:** 24195

## ESL Intermediate Multilevel, COM

***Certificate of Competency***

The Certificate of Competency in ESL Intermediate Multilevel develops the ability of limited-English speaking students in a variety of intermediate written, interpersonal and academic communication tasks in preparation for enhanced job opportunities and the transition to academic studies.

**Program Rules:** ESL Intermediate Multilevel, COM (Total Hours 312.0 - 432.0)

The following number of Hours

ESL303 Intermediate Low (Total Hours 96.0 - 216.0)

ESL500 Intermediate Multilevel (Total Hours 216.0 - 216.0)

**Control Number:** 24234

## ESL Intermediate, COM

***Certificate of Competency***

The Certificate of Competency in ESL Intermediate is designed to give essential reading, writing, listening, speaking, and digital literacy skills to limited-English speaking students in preparation for enhanced job opportunities, the transition to academic studies, and increased community participation.

**Program Rules:** ESL Intermediate, COM (Total Hours 192.0 - 432.0)

The following number of Hours

ESL303 Intermediate Low (Total Hours 96.0 - 216.0)

ESL304 Intermediate High (Total Hours 96.0 - 216.0)

**Control Number:** 30646

## ESL Literacy, COM

***Certificate of Competency***

The Certificate of Competency in ESL Literacy develops the ability of non-English speaking students in basic literacy skills, including letter and number recognition/production, simple personal information, and basic oral communication. The Certificate also develops students' basic computer and digital literacy skills in preparation for enhanced job opportunities.

**Program Rules:** ESL Literacy, COM (Total Hours 168.0 - 360.0)

All of the following

***Certificate Requirements: (Total Hours 168.0 - 360.0)***

All of the following

ESL300 Literacy (Total Hours 96.0 - 216.0)

ESL606 Computer Skills for ESL (Total Hours 72.0 - 144.0)

**Control Number:** 24230

## Vocational ESL, COM

***Certificate of Competency***

The Certificate of Competency in Vocational ESL develops the English language and workplace skills of limited-English speaking students.

**Program Rules:** Certificate Requirements: 192 - 432 hours (Total Hours 192.0 - 432.0)

The following number of Hours

ESL510 English for Work 1 (Total Hours 96.0 - 216.0)

ESL520 English for Work 2 (Total Hours 96.0 - 216.0)

**Control Number:** 24198

# ESL SPEAKING

## ESL Communication, COM

***Certificate of Competency***

The Certificate of Competency in ESL Communication improves the English language skills of limited-English speaking students with an emphasis on speaking and pronunciation.

**Program Rules:** Certificate Requirements: 192 - 432 hours (Total Hours 192.0 - 432.0)

The following number of Hours

ESL303 Intermediate Low (Total Hours 96.0 - 216.0)

ESL530 American English Pronunciation (Total Hours 96.0 - 216.0)

**Control Number:** 36665

# ESL WRITING

## ESL Advanced Writing, COM

***Certificate of Competency***

The Certificate of Competency in ESL Advanced Writing develops the abilities of advanced English language learners in grammar, composition, and other essential written communication skills in preparation for enhanced job opportunities and the transition to academic studies.

**Program Rules:** ESL Advanced Writing, COM (Total Hours 144.0 - 288.0)

All of the following

***Certificate Requirements: (Total Hours 144.0 - 288.0)***

All of the following

ESL502 Intermediate Grammar & Writing (Total Hours 72.0 - 144.0)

ESL601 Advanced Grammar and Writing (Total Hours 72.0 - 144.0)

**Control Number:** 45606

## ESL Intermediate Writing, COM

***Certificate of Competency***

The Certificate of Competency in ESL Intermediate Writing develops the ability of English language learners in composition and other essential written communication skills in preparation for enhanced job opportunities and the transition to academic studies.

**Program Rules:** ESL Intermediate Writing, COM (Total Hours 144.0 - 288.0)

All of the following

***Certificate Requirements: (Total Hours 144.0 - 288.0)***

All of the following

ESL501 Basic Grammar & Writing (Total Hours 72.0 - 144.0)

ESL502 Intermediate Grammar & Writing (Total Hours 72.0 - 144.0)

**Control Number:** 24196

# FOOD PROCESSSING AND RELATED TECHNOLOGY

## Food Handler, CC

***Certificate of Completion***

The Certificate of Completion in Food Handler prepares students for employment in commercial and institutional food kitchens and hospitality industry, by providing knowledge and skills in hygiene, sanitation, storage, nutrition, and food service administration.

**Program Rules:** Food Handler, CC (Total Hours 96.0 - 96.0)

The following number of Hours
VFOOD005 Food Handler Test Preparation (Total Hours 36.0 - 36.0)
WKPR500 Workforce Readiness (Total Hours 60.0 - 60.0)
**Control Number:** 38181

## Food Service Manager, CC

***Certificate of Completion***

The Certificate of Completion in Food Service Manager prepares students for employment in commercial and institutional food kitchens, especially in the restaurant industry, by providing knowledge and skills in food safety and management, facilities management, and food service administration.
**Program Rules:** Food Service Manager, CC (Total Hours 132.0 - 132.0)
The following number of Hours
VFOOD010 Food Service Manager Test Preparation (Total Hours 72.0 - 72.0)
WKPR500 Workforce Readiness (Total Hours 60.0 - 60.0)
**Control Number:** 24093

# HS DIPLOMA PROG/GED

## Adult Secondary Education Advanced Mathematical Concepts, COM

***Certificate of Competency***

The Certificate of Competency in ABE/ASE Mathematics is intended to provide students with the knowledge and skills necessary to progress to advanced mathematics within the Adult High School Diploma Program and to successfully transition into college-level coursework.
**Program Rules:** ASE Advanced Mathematical Concepts, COM (Total Hours 144.0 - 504.0)
The following number of Hours
HSMTH122 Integrated Math 2A (Total Hours 72.0 - 72.0)
HSMTH123 Integrated Math 2B (Total Hours 72.0 - 72.0)
HSMTH124 Integrated Math 3A (Total Hours 72.0 - 72.0)
HSMTH125 Integrated Math 3B (Total Hours 72.0 - 72.0)
HSMTH161 Introduction to Trigonometry 1A (Total Hours 72.0 - 72.0)
HSMTH169 Introductory Statistics (Total Hours 72.0 - 72.0)
HSMTH180 Introduction to Trigonometry 1B (Total Hours 72.0 - 72.0)
**Control Number:** 46027

## Adult Secondary Education Foreign Language, COM

***Certificate of Competency***

The Certificate of Competency in Foreign Language is designed to prepare students for college level Spanish.The certificate gives students foundational skills in communication, cultural awareness, and linguistic proficiency in a target language. It prepares students to effectively engage in conversations, interpret texts, and understand cultural nuances, enabling them to use the language in everyday, professional, or academic settings. Additionally, the certificate serves as an enhancement to career opportunities and further language study.
**Program Rules:** Adult Secondary Education Foreign Language, COM (Total Hours 144.0 - 144.0)
The following number of Hours
HSOTH503 Spanish 1A (Total Hours 0.0 - 0.0)
***Certificate Requirements: (Total Hours 144.0 - 144.0)***
The following number of Hours
HSOTH503 Spanish 1A (Total Hours 72.0 - 72.0)
HSOTH504 Spanish 1B (Total Hours 72.0 - 72.0)
HSOTH505 Spanish 2A (Total Hours 72.0 - 72.0)
HSOTH510 Spanish 2B (Total Hours 72.0 - 72.0)
HSOTH511 Spanish 3A (Total Hours 72.0 - 72.0)
HSOTH512 Spanish 3B (Total Hours 72.0 - 72.0)
HSOTH513 Spanish 4A (Total Hours 72.0 - 72.0)
HSOTH514 Spanish 4B (Total Hours 72.0 - 72.0)
**Control Number:** 45607

## Adult Secondary Education Mathematics, COM

***Certificate of Competency***

The Certificate of Competency in ASE Mathematics is designed to prepare students for higher level math skills in the Adult High School Diploma Program, General Education Development (GED and HiSET) Preparation, and college courses.
**Program Rules:** Adult Secondary Education Mathematics, COM (Total Hours 144.0 - 144.0)
The following number of Hours
HSMTH158 Math Fundamentals 1 (Total Hours 72.0 - 72.0)
HSMTH159 Math Fundamentals 2 (Total Hours 72.0 - 72.0)
**Control Number:** 36584

## Adult Secondary Education Visual and Performing Arts, COM

***Certificate of Competency***

The Certificate of Competency in Adult Secondary Education Visual and Performing Arts is designed to offer students a basic introduction to the visual and performing arts in the Adult High School Diploma Program, General Education Development (GED) Preparation, and college courses.
**Program Rules:** Adult Secondary Education Visual and Performing Arts, COM (Total Hours 216.0 - 216.0)
All of the following
HSART845 Drawing and Painting 1 (Total Hours 72.0 - 72.0)
HSART846 Drawing and Painting 2 (Total Hours 72.0 - 72.0)
MUSCE126 Chorale Music (Total Hours 72.0 - 72.0)
**Control Number:** 42815

## Adult Secondary Education, College Preparation Algebra, COM

***Certificate of Competency***

The Certificate of Competency in Adult Secondary Education, College Preparation Algebra is designed to prepare students for higher level Algebra and math study skills to transition to College Math Algebra Course.
**Program Rules:** Adult Secondary Education, College Preparation Algebra, COM (Total Hours 174.0 - 174.0)
The following number of Hours
HSMTH103 Math Study Skills Support 1A (Total Hours 15.0 - 15.0)
HSMTH104 Math Study Skills Support 1B (Total Hours 15.0 - 15.0)
HSMTH176 College Preparation Algebra 1A (Total Hours 72.0 - 72.0)
HSMTH177 College Preparation Algebra 1B (Total Hours 72.0 - 72.0)
**Control Number:** 36209

## Adult Secondary Education, College Preparatory Composition, COM

***Certificate of Competency***

The Certificate of Competency in College Preparatory Composition is designed to prepare students for college level writing.

**Program Rules:** Adult Secondary Education, College Preparatory Composition, COM (Total Hours 174.0 - 174.0)

All of the following

***Certificate Requirements: (Total Hours 174.0 - 174.0)***

All of the following

HSENG083 Composition 1 (Total Hours 72.0 - 72.0)

HSENG086 College Preparatory Composition (Total Hours 72.0 - 72.0)

HSS600 Test Preparation (Total Hours 30.0 - 30.0)

**Control Number:** 36211

## College Preparation Mathematics, COM

***Certificate of Competency***

The Certificate of Competency in Adult Secondary Education, College Preparation Mathematics is designed to prepare students with arithmetic and basic Algebra skills for higher level Algebra and math study skills to transition to College Math Algebra Course.

**Program Rules:** College Preparation Mathematics, COM (Total Hours 318.0 - 318.0)

The following number of Hours

HSMTH103 Math Study Skills Support 1A (Total Hours 15.0 - 15.0)

HSMTH104 Math Study Skills Support 1B (Total Hours 15.0 - 15.0)

MATHCE206 College Preparation Essential Mathematics (Total Hours 144.0 - 144.0)

MATHCE255 College Preparation Algebra (Total Hours 144.0 - 144.0)

**Control Number:** 36897

## College Readiness, COM

***Certificate of Competency***

This certificate will provide college readiness algebra and composition classes to prepare students to be successful in college and/or university placement and studies.

**Program Rules:** College Readiness, COM (Total Hours 288.0 - 288.0)

All of the following

HSENG086 College Preparatory Composition (Total Hours 72.0 - 72.0)

HSMTH176 College Preparation Algebra 1A (Total Hours 72.0 - 72.0)

HSMTH177 College Preparation Algebra 1B (Total Hours 72.0 - 72.0)

HSOTH040 Introduction to Academic Pathways and Programs (Total Hours 72.0 - 72.0)

**Control Number:** 36372

## Essential Mathematics and Math Study Skills Support, COM

***Certificate of Competency***

The Certificate of Competency in Adult Secondary Education, Essential Mathematics and Math Study Skills Support is designed to prepare students with basic math skills and math study skills to make a successful transition to college math courses.

**Program Rules:** Essential Mathematics and Math Study Skills Support, COM (Total Hours 244.0 - 244.0)

The following number of Hours

MATHCE100 Math Study Skills and Basic Skills Support (Total Hours 100.0 - 100.0)

MATHCE206 College Preparation Essential Mathematics (Total Hours 144.0 - 144.0)

**Control Number:** 36898

## High School Equivalency Test (HiSET), COM

***Certificate of Competency***

The Certificate of Competency in High School Equivalency Test (HiSet) provides individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test taking strategies and the essentials of reading, writing, mathematics, science, and social studies.

**Program Rules:** High School Equivalency Test (HiSET), COM (Total Hours 252.0 - 468.0)

The following number of Hours

ABE009 Academic Skills (Total Hours 72.0 - 468.0)

HSS400 High School Equivalency Test Preparation (Total Hours 180.0 - 180.0)

**Control Number:** 33941

## High School Equivalency Test Preparation in All Subject Areas, COM

***Certificate of Competency***

The Certificate of Competency in High School Equivalency Test (HiSet) provides individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test taking strategies and the essentials of reading, writing, mathematics, science, and social studies.

**Program Rules:** High School Equivalency Test Preparation in All Subject Areas, COM (Total Hours 504.0 - 504.0)

All of the following

***Certificate Requirements: (Total Hours 504.0 - 504.0)***

The following number of Hours

HSS401 High School Equivalency Test Preparation - Mathematics (Total Hours 72.0 - 72.0)

HSS402 High School Equivalency Test Preparation - Writing (Total Hours 72.0 - 72.0)

HSS403 High School Equivalency Test Preparation - Reading (Total Hours 72.0 - 72.0)

HSS404 High School Equivalency Test Preparation - Science (Total Hours 72.0 - 72.0)

HSS405 High School Equivalency Test Preparation - Social Science (Total Hours 72.0 - 72.0)

HSS406 High School Equivalency Test Preparation - Mathematics A (Total Hours 72.0 - 72.0)

HSS407 High School Equivalency Test Preparation - Mathematics B (Total Hours 72.0 - 72.0)

**Control Number:** 42027

## Secondary Education, COM

***Certificate of Competency***

The Certificate of Competency in Secondary Education is designed to offer students instruction ranging from the basic skill level to the high school level with the purpose of preparing them to earn a high school diploma and for other higher educational or job opportunities. Each high school course is seventy-two (72) hours unless otherwise noted.

**Program Rules:** Secondary Education, COM (Total Hours 2304.0 - 2304.0)

All of the following

***Certificates Requirements: 2,304 hours (Total Hours 0.0 - 0.0)***

***ENGLISH: 576 hours. Required courses: Must include one (1) of the following composition courses: (Total Hours 72.0 - 72.0)***

The following number of Hours

HSENG083 Composition 1 (Total Hours 72.0 - 72.0)
HSENG084 Composition 2 (Total Hours 72.0 - 72.0)
HSENG085 Composition 3 (Total Hours 72.0 - 72.0)
HSENG086 College Preparatory Composition (Total Hours 72.0 - 72.0)

***Electives: 504 hours (Total Hours 504.0 - 504.0)***

The following number of Hours

HSENG020 Literature Brought to Life (Total Hours 72.0 - 72.0)
HSENG030 AP English 1A (Total Hours 72.0 - 72.0)
HSENG050 English Through Literature 11B (Total Hours 72.0 - 72.0)
HSENG051 English Through Literature 12B (Total Hours 72.0 - 72.0)
HSENG052 English Language Arts 1 (Total Hours 72.0 - 72.0)
HSENG053 English Language Arts 2 (Total Hours 72.0 - 72.0)
HSENG063 English Through Literature 11A (Total Hours 72.0 - 72.0)
HSENG064 English Through Literature 12A (Total Hours 72.0 - 72.0)
HSENG066 English Fundamentals 2 (Total Hours 72.0 - 72.0)
HSENG067 English Fundamentals 3 (Total Hours 72.0 - 72.0)
HSENG068 English Fundamentals 4 (Total Hours 72.0 - 72.0)
HSENG070 The Short Story (Total Hours 72.0 - 72.0)
HSENG072 Poetry (Total Hours 72.0 - 72.0)
HSENG076 The Novel (Total Hours 72.0 - 72.0)
HSENG098 Building Vocabulary 3 (Total Hours 72.0 - 72.0)
HSENG201 Survey of English Level 1 (Total Hours 72.0 - 72.0)
HSENG202 Survey of English Level 2 (Total Hours 72.0 - 72.0)
HSENG203 Survey of English Level 3 (Total Hours 72.0 - 72.0)
HSENG204 Survey of English Level 4 (Total Hours 72.0 - 72.0)
HSRDG089 Reading Proficiency Development (Total Hours 72.0 - 72.0)
HSRDG090 Reading Improvement (Total Hours 72.0 - 72.0)
HSRDG093 Building Reading Skills 1 (Total Hours 72.0 - 72.0)
HSRDG094 Building Reading Skills 2 (Total Hours 0.0 - 0.0)

***NATURAL SCIENCES: 288 hours. Must include one (1) of the following biological science courses: (Total Hours 72.0 - 72.0)***

The following number of Hours

HSSCI168 Life Science 1 (Total Hours 72.0 - 72.0)
HSSCI169 Life Science 2 (Total Hours 72.0 - 72.0)
HSSCI193 Basic Science 2 (Total Hours 72.0 - 72.0)

**Must include one (1) of the following physical science courses: 72 hours (Total Hours 72.0 - 72.0)**

The following number of Hours

HSSCI100 Chemistry 1B (Total Hours 72.0 - 72.0)
HSSCI184 Chemistry 1A (Total Hours 72.0 - 72.0)
HSSCI190 Physical Science 1 (Total Hours 72.0 - 72.0)
HSSCI191 Physical Science 2 (Total Hours 72.0 - 72.0)
HSSCI192 Basic Science 1 (Total Hours 72.0 - 72.0)

***Electives: 144 hours (Total Hours 144.0 - 144.0)***

The following number of Hours

HSSCI182 Physiology 1A (Total Hours 72.0 - 72.0)
HSSCI183 Physiology 1B (Total Hours 72.0 - 72.0)
HSSCI196 Health Science (Total Hours 72.0 - 72.0)

***SOCIAL AND BEHAVIORAL SCIENCES: 432 hours. Must include both of the following US History courses: (Total Hours 144.0 - 144.0)***

The following number of Hours

HSSOC218 U.S. History 1: Colonization to Industrialization (Total Hours 72.0 - 72.0)
HSSOC219 U.S. History 2: The Shaping of Modern America (Total Hours 72.0 - 72.0)

**Must include both of the following courses: 144 hours (Total Hours 144.0 - 144.0)**

The following number of Hours

HSSOC215 Introduction to Economics (Total Hours 72.0 - 72.0)
HSSOC222 Government 1: United States Federal Government and Politics (Total Hours 72.0 - 72.0)

**Must include both of the following World History courses: 144 hours (Total Hours 144.0 - 144.0)**

The following number of Hours

HSSOC229 World History, Geography, and Culture 1 (Total Hours 72.0 - 72.0)
HSSOC230 World History, Geography, and Culture 2 (Total Hours 72.0 - 72.0)

***Electives: (Total Hours 0.0 - 0.0)***

The following number of Hours

HSSOC216 World Cultures 1A (Total Hours 72.0 - 72.0)
HSSOC217 World Cultures 1B (Total Hours 72.0 - 72.0)

***HUMANITIES: 144 hours (Total Hours 144.0 - 144.0)***

The following number of Hours

HSART020 Literature Brought to Life (Total Hours 72.0 - 72.0)
HSART070 Short Stories (Total Hours 72.0 - 72.0)
HSART828 Understanding America Through Art (Total Hours 72.0 - 72.0)
HSART837 The Film As Art (Total Hours 72.0 - 72.0)
HSART845 Drawing and Painting 1 (Total Hours 72.0 - 72.0)
HSART846 Drawing and Painting 2 (Total Hours 72.0 - 72.0)

***MATHEMATICS: 288 hours (Total Hours 288.0 - 288.0)***

The following number of Hours

HSMTH101 Introduction to Calculus 1A (Total Hours 72.0 - 72.0)
HSMTH102 Introduction to Calculus 1B (Total Hours 72.0 - 72.0)
HSMTH120 Integrated Math 1A (Total Hours 0.0 - 0.0)
HSMTH121 Integrated Math 1B (Total Hours 0.0 - 0.0)
HSMTH122 Integrated Math 2A (Total Hours 0.0 - 0.0)
HSMTH123 Integrated Math 2B (Total Hours 0.0 - 0.0)
HSMTH124 Integrated Math 3A (Total Hours 0.0 - 0.0)
HSMTH125 Integrated Math 3B (Total Hours 0.0 - 0.0)
HSMTH154 Pre-Algebra A (Total Hours 72.0 - 72.0)
HSMTH155 Pre-Algebra B (Total Hours 72.0 - 72.0)
HSMTH156 Essential Mathematics 1 (Total Hours 72.0 - 72.0)
HSMTH157 Essential Mathematics 2 (Total Hours 72.0 - 72.0)
HSMTH159 Math Fundamentals 2 (Total Hours 72.0 - 72.0)
HSMTH161 Introduction to Trigonometry 1A (Total Hours 72.0 - 72.0)
HSMTH163 Algebra 1A (Total Hours 72.0 - 72.0)
HSMTH164 Algebra 1B (Total Hours 72.0 - 72.0)
HSMTH165 Algebra 2A (Total Hours 72.0 - 72.0)
HSMTH166 Algebra 2B (Total Hours 72.0 - 72.0)
HSMTH167 Geometry A (Total Hours 72.0 - 72.0)
HSMTH168 Geometry B (Total Hours 72.0 - 72.0)
HSMTH176 College Preparation Algebra 1A (Total Hours 72.0 - 72.0)
HSMTH177 College Preparation Algebra 1B (Total Hours 72.0 - 72.0)
HSMTH180 Introduction to Trigonometry 1B (Total Hours 72.0 - 72.0)
MATHCE255 College Preparation Algebra (Total Hours 144.0 - 144.0)
MATHCE206 College Preparation Essential Mathematics (Total Hours 144.0 - 144.0)

***ELECTIVE COURSES: 576 hours (Total Hours 576.0 - 576.0)***

The following number of Hours

ABE009 Academic Skills (Total Hours 72.0 - 72.0)
ABE023 Adult Basic Education Reading (Total Hours 72.0 - 72.0)
ABE024 Adult Basic Education Writing (Total Hours 72.0 - 72.0)
ABE025 Adult Basic Education Mathematics (Total Hours 72.0 - 72.0)
ABE026 Adult Basic Education Spelling (Total Hours 72.0 - 72.0)
HSOTH050 Basics of Leadership Part 1 (Total Hours 36.0 - 36.0)
HSOTH202 Basics of Leadership Part 2 (Total Hours 36.0 - 36.0)

HSOTH505 Spanish 2A (Total Hours 72.0 - 72.0)
HSOTH510 Spanish 2B (Total Hours 72.0 - 72.0)
HSOTH513 Spanish 4A (Total Hours 72.0 - 72.0)
HSOTH514 Spanish 4B (Total Hours 72.0 - 72.0)
HSS338 Workforce Preparation (Total Hours 15.0 - 15.0)
HSS770 Orientation to College (Total Hours 8.0 - 8.0)
**Control Number:** 36914

## Secondary Education/GED Preparation, CC

***Certificate of Completion***

The Certificate of Completion in Secondary Education/GED Preparation prepares students for the reading, writing, and math skills necessary for the achievement of the official GED Certificate.
**Program Rules:** Secondary Education/GED Preparation, CC (Total Hours 648.0 - 648.0)
The following number of Hours
ABE009 Academic Skills (Total Hours 288.0 - 288.0)
HSGED031 GED Test Preparation (Total Hours 360.0 - 360.0)
**Control Number:** 24467

## Student Leadership, COM

***Certificate of Competency***

The Certificate of Competency in Student Leadership introduces applied leadership and self-development skills. Information will be presented in academic format, and students will be required to demonstrate mastery through participation in student-centered, hands-on activities.
**Program Rules:** Student Leadership, COM (Total Hours 72.0 - 72.0)
The following number of Hours
HSOTH050 Basics of Leadership Part 1 (Total Hours 36.0 - 36.0)
HSOTH202 Basics of Leadership Part 2 (Total Hours 36.0 - 36.0)
**Control Number:** 33942

## Adult High School Diploma, DIPL

***Adult High School Diploma***

The Adult High School Diploma Program is designed to offer students instruction ranging from the basic skill level to the high school level with the purpose of preparing them to earn a high school diploma and for other higher educational or job opportunities. Each high school course is worth five (5) credits unless otherwise noted.
**Program Rules:** Adult High School Diploma, DIPL (Total Credits 2304.0 - 2304.0)
All of the following
***ENGLISH - Required courses (credits are in hours). Forty (40) high school credits required (576 hours). Must include one (1) of the following composition courses: (Total Credits 72.0 - 72.0)***
The following number of Credits
HSENG083 Composition 1 (Total Credits 72.0 - 72.0)
HSENG084 Composition 2 (Total Credits 72.0 - 72.0)
HSENG085 Composition 3 (Total Credits 72.0 - 72.0)
**ENGLISH - electives (credits are in hours). Select seven (7) of the following English electives (504 hours). [A maximum of 10 high school credits (144 hours) from High School Subjects Reading 089, 090 (Total Credits 504.0 - 504.0)**
The following number of Credits
HSENG020 Literature Brought to Life (Total Credits 72.0 - 72.0)
HSENG052 English Language Arts 1 (Total Credits 72.0 - 72.0)
HSENG053 English Language Arts 2 (Total Credits 72.0 - 72.0)
HSENG066 English Fundamentals 2 (Total Credits 72.0 - 72.0)
HSENG067 English Fundamentals 3 (Total Credits 72.0 - 72.0)
HSENG068 English Fundamentals 4 (Total Credits 72.0 - 72.0)
HSENG070 The Short Story (Total Credits 72.0 - 72.0)
HSENG072 Poetry (Total Credits 72.0 - 72.0)
HSENG076 The Novel (Total Credits 72.0 - 72.0)
HSENG098 Building Vocabulary 3 (Total Credits 72.0 - 72.0)
HSRDG089 Reading Proficiency Development (Total Credits 72.0 - 72.0)
HSRDG090 Reading Improvement (Total Credits 72.0 - 72.0)
HSRDG093 Building Reading Skills 1 (Total Credits 72.0 - 72.0)
HSRDG094 Building Reading Skills 2 (Total Credits 72.0 - 72.0)
***NATURAL SCIENCES - Required courses (credits are in hours). Twenty (20) high school credits are required (288 hours). Must include one (1) of the following biological science course: (Total Credits 288.0 - 288.0)***
The following number of Credits
HSSCI168 Life Science 1 (Total Credits 72.0 - 72.0)
HSSCI169 Life Science 2 (Total Credits 72.0 - 72.0)
HSSCI193 Basic Science 2 (Total Credits 72.0 - 72.0)
**NATURAL SCIENCES - Must include one (1) one of the following physical science courses: (Total Credits 0.0 - 0.0)**
The following number of Credits
HSSCI190 Physical Science 1 (Total Credits 72.0 - 72.0)
HSSCI191 Physical Science 2 (Total Credits 72.0 - 72.0)
HSSCI192 Basic Science 1 (Total Credits 72.0 - 72.0)
***SOCIAL AND BEHAVIORAL SCIENCES - Required courses (credits are in hours). Thirty (30) high school credits required (432 hours). Must include all of the following six (6) courses: (Total Credits 432.0 - 432.0)***
The following number of Credits
HSSOC215 Introduction to Economics (Total Credits 72.0 - 72.0)
HSSOC218 U.S. History 1: Colonization to Industrialization (Total Credits 72.0 - 72.0)
HSSOC219 U.S. History 2: The Shaping of Modern America (Total Credits 72.0 - 72.0)
HSSOC222 Government 1: United States Federal Government and Politics (Total Credits 72.0 - 72.0)
HSSOC229 World History, Geography, and Culture 1 (Total Credits 72.0 - 72.0)
HSSOC230 World History, Geography, and Culture 2 (Total Credits 72.0 - 72.0)
***HUMANITIES - Required courses (credits are in hours). Ten (10) high school credits required (144 hours). Select two (2) of the following courses: (Total Credits 144.0 - 144.0)***
The following number of Credits
HSART020 Literature Brought to Life (Total Credits 72.0 - 72.0)
HSART070 Short Stories (Total Credits 72.0 - 72.0)
HSART828 Understanding America Through Art (Total Credits 72.0 - 72.0)
HSART837 The Film As Art (Total Credits 72.0 - 72.0)
***MATHEMATICS - Required courses (credits are in hours). Twenty (20) high school credits are required (288 hours). Select four (4) of the following courses: (Total Credits 288.0 - 288.0)***
The following number of Credits
HSMTH156 Essential Mathematics 1 (Total Credits 72.0 - 72.0)
HSMTH157 Essential Mathematics 2 (Total Credits 72.0 - 72.0)
HSMTH159 Math Fundamentals 2 (Total Credits 72.0 - 72.0)
HSMTH163 Algebra 1A (Total Credits 72.0 - 72.0)
HSMTH164 Algebra 1B (Total Credits 72.0 - 72.0)
HSMTH167 Geometry A (Total Credits 72.0 - 72.0)
HSMTH168 Geometry B (Total Credits 72.0 - 72.0)
***ELECTIVES - (credits are in hours). Forty (40) high school credits are required (576 hours). Select elective courses from the following: (Total Credits 576.0 - 576.0)***

The following number of Credits
ABE009 Academic Skills (Total Credits 72.0 - 288.0)
ABE023 Adult Basic Education Reading (Total Credits 72.0 - 72.0)
ABE024 Adult Basic Education Writing (Total Credits 72.0 - 72.0)
ABE025 Adult Basic Education Mathematics (Total Credits 72.0 - 72.0)
ABE026 Adult Basic Education Spelling (Total Credits 72.0 - 72.0)
HSOTH050 Basics of Leadership Part 1 (Total Credits 36.0 - 36.0)
HSOTH202 Basics of Leadership Part 2 (Total Credits 36.0 - 36.0)
HSS338 Workforce Preparation (Total Credits 15.0 - 15.0)
HSS770 Orientation to College (Total Credits 8.0 - 8.0)
VBUS118 Introduction to Windows (Total Credits 60.0 - 60.0)
VBUS260 Introduction to Word Processing using MS Word (Total Credits 60.0 - 60.0)
**Control Number:** 31601



# OFFICE TECHNOLOGY/ COMPUTER APPLICATIONS

## 3D Printing, CC

***Certificate of Completion***

The Certificate of Completion in 3D Printing is designed to teach students how to use a 3D printer and the technology behind 3D printing. Students will learn about the different plastic filaments that are used, and they will learn techniques for feeding the plastic filament into the 3D printer for optimal performance. Students will also learn about components of the printer, such as the extruder nozzle, contact sensor, calibration techniques, software, design methods, and reducing defects. An emphasis is placed on familiarizing students with the use of 3D printing in the areas of personal applications, engineering, design and manufacturing. It will also be of interest to all students who would like to learn more about 3D printing and the future applications of this exciting technology.

**Program Rules:** 3D Printing, CC (Total Hours 120.0 - 120.0)
All of the following
***Certificate Requirements: (Total Hours 120.0 - 120.0)***
The following number of Hours
VBUS101 3D Modeling using Blender (Total Hours 60.0 - 60.0)
VBUS130 3D Printing (Total Hours 60.0 - 60.0)
**Control Number:** 36210

## Customer Service Representative, CC

***Certificate of Completion***

The Certificate of Completion in Customer Service Representative is designed to give students the necessary knowledge and skills to deal directly with customers as the company representative in special problems that may arise. Students will be prepared to work as commercial or residential service representatives in positions in major department stores, collection agencies, credit bureaus, airlines, travel agencies, medical insurance agencies, public utilities, and telephone answering services.

**Program Rules:** Customer Service Representative, CC (Total Hours 180.0 - 180.0)
All of the following
***Certificate Requirements: (Total Hours 180.0 - 180.0)***
The following number of Hours
VBUS119 Keyboarding and Basic Windows (Total Hours 60.0 - 60.0)
VBUS260 Introduction to Word Processing using MS Word (Total Hours 60.0 - 60.0)
WKPR500 Workforce Readiness (Total Hours 60.0 - 60.0)
**Control Number:** 24427

## Digital Marketing Specialist, CC

***Certificate of Completion***

This program is designed to prepare students to determine potential sales of a product or service by researching and analyzing market conditions in local, regional, or national areas. Students will learn methods of digital marketing and distribution, such as gathering information on competitors, prices, and sales. An emphasis is placed on the use of digital marketing technology to create a marketing campaign.

**Program Rules:** Digital Marketing Specialist, CC (Total Hours 180.0 - 180.0)
All of the following
***Certificate Requirements: (Total Hours 180.0 - 180.0)***
The following number of Hours
VBUS014 Social Media (Total Hours 60.0 - 60.0)
VBUS150 Digital Marketing (Total Hours 60.0 - 60.0)
VBUS152 Digital Marketing Analytics (Total Hours 60.0 - 60.0)
**Control Number:** 36585

## Drone Operation and Photography, CC

***Certificate of Completion***

This introductory program equips students with the skills to operate drones effectively and prepare for FAA Part 107 and/or TRUST certification exams. It encompasses hands-on drone flying, fundamental drone photography and videography, emphasizing aircraft and camera settings for safe and smooth flight operations and acquisition of quality imagery. Moreover, it imparts knowledge on digital asset management and editing techniques using Adobe Lightroom, Photoshop, and Premiere. Whether aspiring for commercial drone use or recreational flying, this program offers comprehensive training to master drone operation, capture stunning visuals, and handle post-production tasks efficiently.

**Program Rules:** Drone Operation and Photography, CC (Total Hours 120.0 - 120.0)
All of the following
***Certificate Requirements: (Total Hours 120.0 - 120.0)***
All of the following
VFOTO100 How to Fly a Drone (Total Hours 60.0 - 60.0)
VFOTO101 Drone Photography and Video (Total Hours 60.0 - 60.0)
**Control Number:** 43876

## Executive Assistant, CC

***Certificate of Completion***

The Certificate of Completion in Executive Assistant is designed to give students the necessary knowledge and skills from diversified training, including technology, and background to hold high-level administrative support positions of responsibility in the workplace. Students will be prepared to conduct research, prepare reports, and perform clerical functions such as preparing correspondence, receiving visitors, arranging conference calls, and scheduling meetings.

**Program Rules:** Executive Assistant, CC (Total Hours 360.0 - 360.0)
All of the following
***Certificate Requirements: (Total Hours 360.0 - 360.0)***
The following number of Hours
VBUS013 MS Outlook (Total Hours 60.0 - 60.0)
VBUS260 Introduction to Word Processing using MS Word (Total Hours 60.0 - 60.0)
VBUS261 MS Access (Total Hours 60.0 - 60.0)

VBUS262 MS Excel (Total Hours 60.0 - 60.0)
VBUS304 MS PowerPoint (Total Hours 60.0 - 60.0)
VBUS117 Adobe Acrobat (Total Hours 30.0 - 30.0)
WKPR500 Workforce Readiness (Total Hours 60.0 - 60.0)
**Control Number:** 24426

## Financial Advisor Preparation, CC

***Certificate of Completion***

This program is designed to prepare students for entry-level employment in the financial services sector, on a pathway to potentially become financial advisors. An emphasis is placed on preparation for the Securities Industry Essentials (SIE) exam, which is the first step in the process of becoming registered to engage in securities business. Topics covered include basic securities industry information, and concepts fundamental to working in the industry, such as types of products and their risks; the structure of the securities industry markets, regulatory agencies and their functions; and prohibited practices. Students will also learn the features of digital assets, such as Bitcoin, and how they can be used in an investment plan.

**Program Rules:** Financial Advisor Preparation, CC (Total Hours 120.0 - 120.0)
All of the following
***Certificate Requirements: (Total Hours 120.0 - 120.0)***
The following number of Hours
VBUS160 Financial Services and Investments (Total Hours 60.0 - 60.0)
VBUS161 Bitcoin and Digital Assets (Total Hours 60.0 - 60.0)
**Control Number:** 41165

## First-Line Supervisor/ Manager, Office & Administrative Support Workers, CC

***Certificate of Completion***

The Certificate of Completion in First-Line Supervisor/Manager, Office and Administrative Support Workers is designed for both entry-level and experienced office workers looking for a promotion. Graduates will have expert office skills and in-depth software knowledge. The program provides training in office information systems and communications, work process and organizational performance improvement, business decision-making, project management, and capital and human resource management.

**Program Rules:** First-Line Supervisor/Manager, Office & Administrative Support Workers, CC (Total Hours 300.0 - 300.0)
All of the following
***Certificate Requirements: (Total Hours 300.0 - 300.0)***
All of the following
VBUS103 MS Project (Total Hours 60.0 - 60.0)
VBUS118 Microsoft Windows Overview (Total Hours 60.0 - 60.0)
VBUS260 Introduction to Word Processing using MS Word (Total Hours 60.0 - 60.0)
VBUS262 MS Excel (Total Hours 60.0 - 60.0)
VBUS304 MS PowerPoint (Total Hours 60.0 - 60.0)
**Control Number:** 24187

## General Office Clerk, CC

***Certificate of Completion***

The Certificate of Completion in General Office Clerk is designed to give students the skills for entry-level positions in the business world. Clerk typist, credit clerk, file clerk, general clerk, receptionist, or data entry clerk positions require limited knowledge of office management systems and procedures. Clerical duties include skills in answering telephones, bookkeeping, typing or word processing, office machine operation, and filing.

**Program Rules:** General Office Clerk, CC (Total Hours 396.0 - 396.0)
All of the following
***Certificate Requirements: (Total Hours 396.0 - 396.0)***
All of the following
VBUS118 Microsoft Windows Overview (Total Hours 60.0 - 60.0)
VBUS119 Keyboarding and Basic Windows (Total Hours 60.0 - 60.0)
VBUS140 Google Applications (Total Hours 60.0 - 60.0)
VBUS258 Navigating the Internet (Total Hours 36.0 - 36.0)
VBUS260 Introduction to Word Processing using MS Word (Total Hours 60.0 - 60.0)
VBUS262 MS Excel (Total Hours 60.0 - 60.0)
WKPR500 Workforce Readiness (Total Hours 60.0 - 60.0)
**Control Number:** 24095

## Home-Based Business, CC

***Certificate of Completion***

The Certificate of Completion in Home-Based Business is designed to give students the necessary knowledge and skills to plan, develop, and operate a home-based business. The business operator utilizes the understanding of business concepts, strategies, and technology to shape ideas into opportunities supported by research, data, and business models. Effectively utilizing web and business applications is essential to sustaining the long-term growth of the business.

**Program Rules:** Home-Based Business, CC (Total Hours 210.0 - 240.0)
All of the following
***Certificate Requirements: (Total Hours 180.0 - 180.0)***
All of the following
VBUS014 Social Media (Total Hours 60.0 - 60.0)
VBUS030 Home-Based Business (Total Hours 60.0 - 60.0)
VBUS040 Accounting for Non-Accountants (Total Hours 60.0 - 60.0)
**Electives - select one (1) course: (Total Hours 30.0 - 60.0)**
The following number of Hours
VBUS035 Generative AI for Small Business (Total Hours 60.0 - 60.0)
VBUS050 Quickbooks (Total Hours 30.0 - 30.0)
VBUS097 eCommerce (Total Hours 60.0 - 60.0)
**Control Number:** 36371

## Multi-Media Artists and Animators, CC

***Certificate of Completion***

The Certificate of Completion in Multi-Media Artists and Animators is designed to develop the technical and creative knowledge and skills necessary for employment in the entertainment industry.

**Program Rules:** Multi-Media Artists and Animators, CC (Total Hours 300.0 - 300.0)
All of the following
***Certificate Requirements: (Total Hours 300.0 - 300.0)***
All of the following
VBUS096 Digital Photography (Total Hours 60.0 - 60.0)

VBUS101 3D Modeling using Blender (Total Hours 60.0 - 60.0)
VBUS105 3D Animation using Blender (Total Hours 60.0 - 60.0)
VBUS109 Adobe Premiere Video Editing (Total Hours 60.0 - 60.0)
VBUS120 Adobe Animate (Total Hours 60.0 - 60.0)
**Control Number:** 33161

## Receptionist/Information Clerk, CC

***Certificate of Completion***

The Certificate of Completion in Receptionist/Information Clerk is designed to give students the skills for entry-level receptionist or information clerk positions. Clerical duties include greeting the public, answering phones, making appointments, and word processing.
**Program Rules:** Receptionist/Information Clerk, CC (Total Hours 156.0 - 156.0)
The following number of Hours
***Certificate Requirements: (Total Hours 96.0 - 96.0)***
All of the following
VBUS258 Navigating the Internet (Total Hours 36.0 - 36.0)
WKPR500 Workforce Readiness (Total Hours 60.0 - 60.0)
**Electives: (Total Hours 60.0 - 60.0)**
The following number of Hours
VBUS121 Computer Applications Basics (Total Hours 60.0 - 60.0)
VBUS257 Seminar in Business Applications (Total Hours 60.0 - 60.0)
**Control Number:** 30985

## Shelter Dog Training, CC

***Certificate of Completion***

The Certificate of Completion in Shelter Dog Training provides training and education in dog handling for students while preparing dogs from the animal shelter for placement in a family home. Students will demonstrate mastery of canine handling and training skills. Prepares students for jobs in settings such as kennels, animal shelters, zoos, circuses, and aquariums.
**Program Rules:** Shelter Dog Training, CC (Total Hours 180.0 - 180.0)
The following number of Hours
VDOG020 Concepts in Dog Training (Total Hours 20.0 - 20.0)
VDOG030 Practical Dog Training (Total Hours 160.0 - 160.0)
**Control Number:** 33561

## Warehousing, CC

***Certificate of Completion***

The Certificate of Completion in Warehousing provides instruction, demonstration and discussion of topics that are critical for the entry level warehouse worker. Students will apply the concepts and skills needed in receiving, storing, and issuing a variety of supplies in a warehouse and maintain accurate records of the transactions. Prepares students for positions including Central Supply Technicians, Inventory Control Clerks, Inventory Takers, Linen Clerks, Order Pullers, Pickers, Stockers, Storekeepers, Supply Clerks Ticketers, and Tool-Crib Attendants. Specialties within this occupation include: Mailing Clerks, Merchandisers, Sales Floor Stock Clerks, Stockroom, Warehouse or Storage Yard Stock Clerks, and Wholesale and Retail Sales Order Fillers.
**Program Rules:** Warehousing, CC (Total Hours 100.0 - 100.0)
The following number of Hours
VWHS010 Warehouse Worker (Total Hours 40.0 - 40.0)
WKPR500 Workforce Readiness (Total Hours 60.0 - 60.0)
**Control Number:** 33562

## Web Associate, CC

***Certificate of Completion***

The Certificate of Completion in Web Associate is designed to give students the necessary knowledge and skills to support providers and consumers of web services. The web associate utilizes the understanding of distributed web services to support advertising, marketing and sales staff in today's global economy. Understanding and utilizing developed web applications is critical to finding new business for web design, Internet marketing, hosting, programming, and technology projects.
**Program Rules:** Web Associate, CC (Total Hours 300.0 - 300.0)
All of the following
***Certificate Requirements: (Total Hours 300.0 - 300.0)***
The following number of Hours
VBUS010 Adobe Dreamweaver (Total Hours 60.0 - 60.0)
VBUS107 Seminar in Adobe Tools (Total Hours 60.0 - 60.0)
VBUS242 Adobe Illustrator (Total Hours 60.0 - 60.0)
VBUS302 HTML Basics (Total Hours 60.0 - 60.0)
VBUS303 Adobe Photoshop (Total Hours 60.0 - 60.0)
**Control Number:** 24420

# PROTECTIVE SERVICES

## Unarmed Public Safety and Security Officer Program, CC

***Certificate of Completion***

The Unarmed Public Safety and Security Officer Program provides training to be licensed as an unarmed security guard in the State of California as well as comprehensive specialty training for hand-cuffing, chemical agents (pepper spray), and First Aid/CPR/AED training. This intense program consists of theory and lecture and extensive hands-on practical work to cement course objectives together to prepare the student for the Bureau of Security and Investigative Services (BSIS) exams and the job market.
**Program Rules:** Unarmed Public Safety and Security Officer Program, CC (Total Hours 48.0 - 48.0)
All of the following
***Certificate Requirements: (Total Hours 48.0 - 48.0)***
All of the following
VPS100 Unarmed Public Safety and Security Officer I (Total Hours 32.0 - 32.0)
VPS101 Unarmed Public Safety and Security Officer II (Total Hours 16.0 - 16.0)
**Control Number:** 44862

# VOCATIONAL CLOTHING - OECIE

## Commercial Textile Worker, CC

***Certificate of Completion***

The Certificate of Completion in Commercial Textile Worker prepares students for entry-level employment in the commercial textile industry. Students will learn different types of fabrics, seam finishes, garment styles, and garment construction and repair.
**Program Rules:** Commercial Textile Worker, CC (Total Hours 340.0 - 340.0)
The following number of Hours
VCLTH477 Fundamentals of Commercial Sewing (Total Hours 180.0 - 180.0)
VCLTH483 Introduction to Commercial Sewing (Total Hours 160.0 - 160.0)
**Control Number:** 24146

# VOCATIONAL CONSTRUCTION, CARPENTER - OECIE

## Carpenter, CC

***Certificate of Completion***

The Certificate of Completion in Carpenter prepares students for entry-level employment in companies that manufacture kitchen and bathroom cabinets, music/media furniture, book shelves, and other furniture items using a variety of finishes.

**Program Rules:** Carpenter, CC (Total Hours 360.0 - 360.0)
The following number of Hours
VCNST859 Introduction to Cabinetry/Furniture Refinishing Pre-Apprentice (Total Hours 180.0 - 180.0)
VCNST953 Fundamentals of Cabinetry/Furniture Refinishing, Pre-Apprentice (Total Hours 180.0 - 180.0)
**Control Number:** 24097

# VOCATIONAL CONSTRUCTION, CONSTRUCTION LABORER - OECIE

## Construction Laborer, CC

***Certificate of Completion***

The Certificate of Completion in Construction Laborer prepares students for entry-level employment in the construction industry by providing basic knowledge and skills in construction with a focus on welding.

**Program Rules:** Construction Laborer, CC (Total Hours 360.0 - 360.0)
The following number of Hours
VCNST608 Introduction to Welding, Pre-Apprentice (Total Hours 180.0 - 180.0)
VCNST611 Fundamentals of Welding, Pre-Apprentice (Total Hours 180.0 - 180.0)
**Control Number:** 24037

# VOCATIONAL ENERGY, CONSTRUCTION AND UTILITIES

## Solar Installation Technician, CC

***Certificate of Completion***

The Solar Installation Certificate program begins with foundational training in Solar Installation I, covering principles of solar energy, system components, safety protocols, electrical basics, and residential installation techniques. Solar Installation II has an emphasis on designing, installing, and maintaining off-grid and battery-based systems, including battery technology, system sizing, energy management, and troubleshooting. Completing this series equips students with the knowledge to pursue a career as a solar photovoltaic installation technician.

**Program Rules:** Solar Installation Technician, CC (Total Hours 120.0 - 120.0)
All of the following
***Certificate Requirements: (Total Hours 120.0 - 120.0)***
All of the following
VECU010 Solar Installation I (Total Hours 60.0 - 60.0)
VECU011 Solar Installation II (Total Hours 60.0 - 60.0)
**Control Number:** 45504

## Solar Sales Representative, CC

***Certificate of Completion***

The Solar Sales Certificate program begins with Solar Sales I, where students learn essential skills for designing and selling grid-tie solar systems, including fundamentals of solar energy, financial analysis, customer assessment, and proposal development. Solar Sales II advances to the specialized field of selling and estimating off-grid and battery-based solar systems, focusing on tailored sales proposals, battery technologies, and promoting energy independence. Both courses prepare individuals for a career in solar sales, equipping them with comprehensive knowledge to create compelling and customized sales proposals.

**Program Rules:** Solar Sales Representative, CC (Total Hours 120.0 - 120.0)
All of the following
***Certificate Requirements: (Total Hours 120.0 - 120.0)***
All of the following
VECU020 Solar Sales I (Total Hours 60.0 - 60.0)
VECU021 Solar Sales II (Total Hours 60.0 - 60.0)
**Control Number:** 45505

# VOCATIONAL MEDICAL

## Behavior Technician, CC

***Certificate of Completion***

The Behavior Technician Program prepares individuals for a certification exam and frontline work in the field of applied behavior analysis. This is an entry-level program designed to meet training national requirements for certification as a behavior technician. Classes in this certificate will cover defining behavior, teaching methodologies based on Applied Behavior Analysis (ABA), prompting, generalization and maintenance, data collection for skill acquisition, Functional Behavior Assessment, Antecedent and Consequence Interventions, measurement, community and social skills, ethics and professionalism. Students who complete the program will learn the skills required to sit for any of the three nationally accredited behavior technician exams, such as Applied Behavior Analysis Technician (ABAT), Board Certified Autism Technician (BCAT), and Registered Behavior Technician (RBT).

**Program Rules:** Behavior Technician, CC (Total Hours 48.0 - 48.0)
The following number of Hours
VMED080 Introduction to the Behavior Technician Program (Total Hours 24.0 - 24.0)
VMED081 Behavior Technician Certification Training (Total Hours 24.0 - 24.0)
**Control Number:** 38398

## Caregiver / Personal Care Aide, CC

***Certificate of Completion***

This program prepares students to assist the elderly, convalescents, or persons with disabilities with daily living activities at the person's home or in a care facility. In a simulated caregiving environment, students will gain experience performing caregiver duties, which may include nutrition, cleanliness, ambulation, and household activities.

**Program Rules:** Caregiver / Personal Care Aide, CC

(Total Hours 66.0 - 66.0)
All of the following
***Certificate Requirements: (Total Hours 66.0 - 66.0)***
All of the following
VMED030 Introduction to Caregiving (Total Hours 24.0 - 24.0)
VMED031 Caregiver Training (Total Hours 42.0 - 42.0)
**Control Number:** 36901

## Healthcare Support Worker, CC

***Certificate of Completion***

This program provides students with the basic foundation of knowledge and skills to become a healthcare support worker. Designed for students who want to pursue a career in the healthcare field, this program will provide a comprehensive overview of the many types of healthcare occupations as well as the academic and clinical requirements necessary to successfully enter those occupations.

**Program Rules:** Healthcare Support Worker, CC (Total Hours 80.0 - 80.0)
The following number of Hours
VMED050 Introduction to Healthcare Occupations (Total Hours 60.0 - 60.0)
VMED051 Healthcare Support Worker Pathways (Total Hours 20.0 - 20.0)
**Control Number:** 37807

## Home Health Aide (HHA) for Certified Nurse Assistants (CNA), CC

***Certificate of Completion***

The home health aide (HHA) program prepares individuals who are Certified Nurse Assistants (CNA) to become Certified Home Health Aides. This program provides an overview of the requirements to become Home Health Aides and meets Federal and State training regulations. Instruction builds and expands on the CNA training with increased focus and experience in the areas of patient needs, personal care services, nutrition, cleaning and care in the home. Successful students will be eligible to complete their California Home Health Aide (HHA) Certification.

**Program Rules:** Home Health Aide, CC (Total Hours 48.0 - 48.0)
All of the following
***Certificate Requirements: (Total Hours 48.0 - 48.0)***
All of the following
VMED060 Home Health Aide (HHA) Theory Training for Certified Nurse Assistants (C.N.A) (Total Hours 24.0 - 24.0)
VMED061 Home Health Aide (HHA) Clinical Training for Certified Nurse Assistants (C.N.A) (Total Hours 24.0 - 24.0)
**Control Number:** 37806

## Lactation Consultant Education, CC

***Certificate of Completion***

The Lactation Consultant Education Certificate of Completion prepares individuals to specialize in the clinical management of breastfeeding. This certificate, consisting of three classes, meets the Lactation Education Accreditation and Approval Committee (LEAARC) standards of ninety hours of lactation-specific content plus five hours of communication skills to become an International Board Certified Lactation Consultant (IBCLC). Courses will cover requirements to become an IBCLC, including scope of practice, ethics, documentation, and clinical assessments. This program equips professionals with practical skills to effectively address clinical management challenges when working with breastfeeding individuals.

**Program Rules:** Lactation Consultant Education, CC
(Total Hours 96.0 - 96.0)
All of the following
***Certificate Requirements: (Total Hours 96.0 - 96.0)***
All of the following
VMED100 Lactation Educator Specialist I (Total Hours 24.0 - 24.0)
VMED101 Lactation Educator Specialist II (Total Hours 24.0 - 24.0)
VMED102 Lactation Consultant Education (Total Hours 48.0 - 48.0)
**Control Number:** 44861

## Lactation Educator Specialist, CC

***Certificate of Completion***

The Lactation Education Specialist Program prepares individuals interested in working to promote health and wellness for families to become lactation educators. This is an entry level program that meets the standards of the Lactation Education Accreditation and Approval Committee (LEAARC). Courses in this certificate will cover basic breastfeeding management such as basic anatomy and physiology of lactation, positioning and latch, common breastfeeding challenges, counseling skills, early postpartum management, alternative feeding methods, creating a prenatal breastfeeding class, local and global public health considerations and more.

**Program Rules:** Certificate Requirements: 48 hours
(Total Hours 48.0 - 48.0)
All of the following
***Certificate Requirements: (Total Hours 48.0 - 48.0)***
All of the following
VMED100 Lactation Educator Specialist I (Total Hours 24.0 - 24.0)
VMED101 Lactation Educator Specialist II (Total Hours 24.0 - 24.0)
**Control Number:** 42387

## Medical Assistant, CC

***Certificate of Completion***

The Medical Assistant Certificate is designed to provide the hands-on training, practical experience, and industry support it takes to pursue a professional healthcare career. The program includes practical, real-world experience working with knowledgeable medical professionals and making important industry connections. An emphasis is placed on preparing the student to pass the examination to become a Registered Medical Assistant (RMA).

**Program Rules:** Medical Assistant, CC (Total Hours 730.0 - 730.0)
The following number of Hours
VMED020 Overview of the Medical Assistant Training Program (Total Hours 10.0 - 10.0)
VMED021 Medical Terminology for Medical Assistants (Total Hours 60.0 - 60.0)
VMED022 Business Procedures for Medical Assistants (Total Hours 180.0 - 180.0)
VMED023 Body Systems for Medical Assistants (Total Hours 60.0 - 60.0)
VMED024 Human Diseases and Disorders for Medical Assistants (Total Hours 60.0 - 60.0)
VMED025 Clinical Procedures for Medical Assistants (Total Hours 120.0 - 120.0)
VMED026 Surgical Assisting for Medical Assistants (Total Hours 90.0 - 90.0)
VMED027 Externship for Medical Assistants (Total Hours 150.0 - 150.0)
**Control Number:** 36212

## Medical Billing, CC

***Certificate of Completion***

The Certificate of Completion in Medical Billing is designed to give students the necessary knowledge and skills to hold a medical billing position. Students will have practical experience using computers, medical coding, and patient billing software, be familiar with the rules and guidelines of health care plans in order to submit proper documentation for appropriate reimbursement of services rendered, and have the necessary customer service skills to succeed in this field.

**Program Rules:** Certificate Requirements: 240 hours (Total Hours 240.0 - 240.0)

The following number of Hours

- VBUS119 Introduction to Keyboarding and Basic Windows (Total Hours 60.0 - 60.0)
- VMED090 Introduction to Medical Coding (Total Hours 60.0 - 60.0)
- VMED091 Introduction to Medical Billing (Total Hours 60.0 - 60.0)
- WKPR500 Workforce Readiness (Total Hours 60.0 - 60.0)

**Control Number:** 24052

## Nurse Assistant Acute Care, CC

***Certificate of Completion***

The Nurse Assistant Acute Care program is designed to train nurse assistants for employment in the acute care facility. Integrated throughout the program are essential employability skills for the healthcare industry. Content area skills focus on direct patient care of the chronically ill patient. Safety practices in the acute care setting will be emphasized. Students will learn skills associated with neonatal and postpartum care, elimination, and surgery, as well as patient admissions, transfers, and discharges. Students may complete the first course, VMED 070, prior to becoming nurse assistants.

**Program Rules:** Nurse Assistant Acute Care, CC (Total Hours 222.0 - 222.0)

All of the following

***Certificate Requirements: (Total Hours 222.0 - 222.0)***

All of the following

- VMED070 Acute Care Theory for Nurse Assistants (Total Hours 90.0 - 90.0)
- VMED071 Acute Care Practice for Nurse Assistants (Total Hours 132.0 - 132.0)

**Control Number:** 37805

## Nursing Assistant, CC

***Certificate of Completion***

The Certificate of Completion in Nursing Assistant is designed to provide students with the clinical and theoretical knowledge to prepare for the Certified Nursing Assistant (CNA) designation. Students will learn to be part of a healthcare team under the supervision of a nurse. The curriculum is based on the professional standards established by regulatory agencies, and it covers essential topics included in the Nurse Assistant Certification Exam. Due to Health Department regulations, a physical exam, CPR certification, and background check must be completed at the start of the program.

**Program Rules:** Nursing Assistant, CC (Total Hours 250.0 - 250.0)

The following number of Hours

- VMED010 Overview of the Nursing Assistant Training Program (Total Hours 10.0 - 10.0)
- VMED011 Certified Nursing Assistant (CNA) Training (Total Hours 240.0 - 240.0)

**Control Number:** 36213

# VOCATIONAL REAL ESTATE

## California-specific Certified Community Association Management (CCAM), CC

***Certificate of Completion***

The Certified (CA) Community Association Manager (CCAM) is the first stop on your professional pathway. Achieving the CCAM will ensure you are proficient in best business practices, California-specific laws and ethical guidelines to apply when managing community associations.

**Program Rules:** California-specific Certified Community Association Management (CCAM) (Total Hours 234.0 - 234.0)

All of the following

***Certificate Requirements: (Total Hours 234.0 - 234.0)***

All of the following

- VRE054 Community Management Basics of Association Management 1 (Total Hours 54.0 - 54.0)
- VRE055 Community Management Basics of Association Management 2 (Total Hours 54.0 - 54.0)
- VRE056 Community Management CA Law Series 1 (Total Hours 54.0 - 54.0)
- VRE057 Community Management CA Law Series 2 (Total Hours 54.0 - 54.0)
- VRE058 Foundational Ethics for Community Managers (Total Hours 18.0 - 18.0)

**Control Number:**

## Real Estate Career Preparation, CC

***Certificate of Completion***

Prepare to launch your career in real estate with this two-course certificate designed for individuals exploring entry-level opportunities in the industry. Whether you are interested in residential sales, commercial development, mortgage financing, appraisal, escrow, property management, or the many other careers, this program provides the essential knowledge and skills to get started.

**Program Rules:** Real Estate Career Preparation, CC (Total Hours 72.0 - 72.0)

All of the following

- VRE009 Real Estate Career Exploration (Total Hours 54.0 - 54.0)
- VRE160 Real Estate Employability Skills (Total Hours 18.0 - 18.0)

**Control Number:** 46367

## Vocational Real Estate Salesperson, CC

***Certificate of Completion***

The Real Estate Certificate of Completion is designed for individuals interested in careers in real estate as salespersons, brokers, and real estate industry professionals including mortgage brokers, property managers, title officers, developers and as government employees. The program is intended to meet the mandatory and elective course requirements students need to sit for the California real estate sales license exam.

**Program Rules:** Vocational Real Estate Salesperson, CC (Total Hours 234.0 - 234.0)

All of the following

***Certificate Requirements: (Total Hours 180.0 - 180.0)***

All of the following

- VRE102 Real Estate Principles (Total Hours 54.0 - 54.0)
- VRE105 Real Estate Practice (Total Hours 54.0 - 54.0)
- VRE153 Real Estate License Preparation (Total Hours 54.0 - 54.0)

VRE160 Real Estate Employability Skills (Total Hours 18.0 - 18.0)
**Select one (1) of the following: (Total Hours 54.0 - 54.0)**
The following number of Hours
VRE103 Legal Aspects of Real Estate (Total Hours 54.0 - 54.0)
VRE106 Real Estate Finance (Total Hours 54.0 - 54.0)
VRE110 Real Estate Economics (Total Hours 54.0 - 54.0)
VRE112 Real Property Management (Total Hours 54.0 - 54.0)
VRE151 Fundamentals of Escrow (Total Hours 54.0 - 54.0)
**Control Number:** 43319

# VOCATIONAL



## Basic Employment Skills, CC

***Certificate of Completion***

The Certificate of Completion in Basic Employment Skills is designed to provide strategies to reinforce and maintain money handling, reading, and writing skills necessary for entry-level employment.
**Program Rules:** Basic Employment Skills, CC (Total Hours 180.0 - 180.0)
The following number of Hours
WKPR012 Workplace Literacy AWD (Total Hours 60.0 - 60.0)
WKPR013 Writing for Work AWD (Total Hours 60.0 - 60.0)
WKPR017 Everyday Math for Work AWD (Total Hours 60.0 - 60.0)
**Control Number:** 36370

## Digital Literacy for Online Learning Skills, CC

***Certificate of Completion***

The Digital Literacy for Online Learning Skills Certificate of Completion provides foundational digital literacy skills for online learning and workplace skills. Students will develop basic tasks such as navigating a learning management system (LMS), using virtual meeting platforms, and accessing college resources online. The program also advances these skills by introducing tools for uploading files, using media tools, and exploring advanced LMS features. This certificate equips learners with the proficiency needed for success in online education and the digital workforce.
**Program Rules:** Digital Literacy for Online Learning, CC
(Total Hours 48.0 - 48.0)
All of the following
***Certificate Requirements: (Total Hours 48.0 - 48.0)***
All of the following
WKPR510 Online Learning Skills 1 (Total Hours 24.0 - 24.0)
WKPR511 Online Learning Skills 2 (Total Hours 24.0 - 24.0)
**Control Number:** 45609

## General Medical Office Clerk, CC

***Certificate of Completion***

The Certificate of Completion in General Medical Office Clerk is designed to prepare students in acquiring or improving critical thinking, communications skills, and basic clerical skills necessary to work in a variety of hospital departments.
**Program Rules:** General Medical Office Clerk, CC
(Total Hours 600.0 - 600.0)
All of the following
***Certificate Requirements: (Total Hours 600.0 - 600.0)***
The following number of Hours
WKPR002 Self-Advocacy (Total Hours 0.0 - 0.0)
WKPR004 Choosing the Right Employment Path (Total Hours 0.0 - 0.0)
WKPR005 Safety on the Job (Total Hours 0.0 - 0.0)
WKPR006 Communication Skills for Successful Employment (Total Hours 0.0 - 0.0)
WKPR007 Social Skills and Necessary Etiquette (Total Hours 0.0 - 0.0)
WKPR008 Building Critical Thinking Skills (Total Hours 0.0 - 0.0)
WKPR010 Customer Service for the Medical Field (Total Hours 0.0 - 0.0)
WKPR016 Long Term Competitive Employment Training (Total Hours 0.0 - 0.0)
**Control Number:** 36208

## Workforce Skills, CC

***Certificate of Completion***

This program provides students with classroom discussion and information about discovering/accepting responsibility for attitudes and behaviors (past, present and future), and making choices based on principles that influence success in their personal, educational, and career development. It also prepares the student for the world of financial management by developing sound decision-making skills in personal and household money matters.
**Program Rules:** Workforce Skills, CC (Total Hours 72.0 - 72.0)
The following number of Hours
WKPR600 Attitudes for Success (Total Hours 36.0 - 36.0)
WKPR601 Money Matters (Total Hours 36.0 - 36.0)
**Control Number:** 37825

# NON-CREDIT COURSES

## ADULT BASIC EDUCATION

### ABE009
**Academic Skills**
Instructs students in basic skills including reading, writing, spelling, and mathematics. Prepares students to take High School Subjects courses job training or college credit classes. Optional field trips may be offered. Open Entry/Open Exit. Minimum of 5 HS credits, a maximum of 20 HS credits - increments of 5 credits. Lecture hours range- 72 min hours to 288 max hours. Previous Title: Adult Basic Education (2017)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 288

### ABE010
**Money Matters: Financial Literacy**
Prepares the student for the adult world of financial management by developing sound decision-making skills in personal and family money matters. Open Entry/Open Exit. 2.5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

### ABE011
**Native Language Basic Skills for Adults**
Assists students in acquiring basic skills in their native language in order to facilitate the transition to beginning ESL courses. Focuses on reading, math, and writing, as well as academic and life skills. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 0

### ABE023
**Adult Basic Education Reading**
Instructs students in basic reading and functional literacy skills. Prepares students for Adult High School Diploma courses, job training, or the California High School Equivalency Certificate course. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

### ABE024
**Adult Basic Education Writing**
Instructs students in basic writing and functional literacy skills. Prepares students for Adult High School Diploma courses, job training, or the California High School Equivalency Certificate course. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

### ABE025
**Adult Basic Education Mathematics**
This class is designed to teach and enhance student's functional math skills. The areas covered are money management/budgeting, time, measurement, basic math computation and personal consumer skills. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

### ABE026
**Adult Basic Education Spelling**
Provides students with a multisensory approach to improving English spelling skills. Emphasizes phonetic structures using workbooks and audio lessons. Prepares students for Adult High School Diploma courses, job training, or the California High School Equivalency Certificate course. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

## ADULTS WITH SPECIAL NEEDS

### WKPR001
**Transition to Higher Learning AWD**
This course is designed to prepare students for the college experience by equipping them with problem-solving, communication, and goal setting skills. The students will also be exposed to the expectations of noncredit classes, certification options, and campus resources. Field trips may be required. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 32

### WKPR002
**Self-Advocacy AWD**
Students will identify their strengths and weaknesses. Students will define realistic goals, objectives and the skills needed to reach goals. Student will learn how to communicate in a respectful and responsible way, learn rights and employment laws that pertain to people with disabilities and identify advocacy groups. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR003
**Navigating the Globe AWD**
This class is designed to help students build independence and confidence when traveling locally and internationally. Students will learn about safe practices, planning, and essential knowledge for using a variety of transportation methods—including cars, buses, trains, airplanes, and rideshare services. Topics include reading maps and schedules, understanding travel documents, budgeting for trips, navigating airports and stations, and practicing traveler etiquette. Field trips may be required. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR004
**Exploring Career Paths AWD**
This course is intended to assist students in establishing clear and realistic occupational goals. Students will assess their interests and abilities in order to establish attainable objectives to achieve their goal. Student will explore resources for employment in their chose occupational field. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR005
**Safety on the Job AWD**
This class teaches students how to stay safe while working at home or on the job. Students will learn how to handle household and industrial cleaning chemicals safely, practice good kitchen and housekeeping safety habits, and prevent accidents such as slips and falls. The class will also cover basic first aid techniques and what to do in emergencies, such as fires, injuries, or power outages. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR006
**Job Communication Skills AWD**
This course is designed to help students improve communication skills related to employment. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR007
**Workplace Etiquette AWD**
This engaging and interactive course supports students in developing strong social skills for success at school, in the workplace, and within the community. Students will explore real-life situations to practice effective communication, teamwork, and problem-solving skills. Through hands-on activities, role-playing, and discussions, they'll learn positive ways to handle social challenges, express themselves with confidence, and develop strategies to build lasting connections wherever they go. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR008
**Critical Thinking Skills AWD**
This course is intended to prepare students to develop acquiring or improving critical thinking skills necessary to function independently in a variety of activities, situation, and environments for successful employment. Emphasis on problems solving and decision-making through understanding and evaluation situations, utilizing knowledge of cause and effect relationships, exploring options and planning and implementing strategies. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR009
**Basic Computer Skills AWD**
Provides students with introductory instruction in keyboarding by touch and develops basic computer applications, including, but not limited to, Windows, word processing, data entry, MS Office, Google Docs, email, and Internet navigation. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR010
**Customer Care Healthcare AWD**
This course is designed to prepare students to develop or enhance critical thinking, communication skills, and basic clerical skills necessary for working independently in various healthcare facilities and hospital departments. Field trips may be required. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR011
**Everyday Money Skills AWD**
This course is designed to introduce the skills necessary for accurate money exchanges and everyday financial tasks. Students will learn how to count money, give correct amounts for purchases, and make change with confidence. The class also covers how to use ATM cards, credit and debit cards, money orders, and wire transfers safely and securely. Students will explore how to track spending, balance accounts, and practice smart money habits to build independence and financial responsibility in real-world situations. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR012
**Workplace Literacy AWD**
This course is designed to increase reading comprehension skills necessary for successful employment. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR013
**Writing for Work AWD**
This course is designed to assist students with the writing process and includes activities to improve written composition skills. Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR014
**Finance Skills for Jobs AWD**
This course helps students learn how to manage and track a payroll budget effectively. Students will practice adding employee hours, figure out pay, and understand taxes and deductions. They will also learn how to plan for expenses, stay organized, and ensure that records are accurate. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 32

# WKPR015
**Public Communications AWD**
This course is designed to teach students public speaking skills through the use of demonstrative, informative, and persuasive speeches. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 32

# WKPR016
**Job Readiness Skills AWD**
This course is designed to provide students with critical thinking, decision-making, and problem-solving skills necessary for long-term competitive employment opportunities. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 180

# WKPR017
**Everyday Math for Work AWD**
This course is designed to increase students mathematical reasoning skills necessary for successful employment.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR018
**Digital Safety and Media AWD**
This course is designed to provide students with the knowledge to increase personal and professional safety while online, and when creating and maintaining social media accounts.
***Former Title:*** WKPR 018, Social Media and Online Safety in the Workplace (FALL 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR019
**Talking Across Cultures AWD**
This course helps students build vocabulary and communication skills for working in a culturally diverse workplace. Students will learn basic greetings and polite expressions in different languages, along with common gestures and nonverbal ways of showing respect. Students will gain confidence in communicating respectfully and effectively with coworkers from all backgrounds. Open entry/open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR020
**Cultural Awareness AWD**
This course provides students with an overview of how different cultures contribute to diversity in the workplace. Students will explore how cultural backgrounds influence communication styles, teamwork, problem-solving, and professional expectations. The class emphasizes the importance of inclusion, respect, and understanding when working with individuals from diverse cultural and social backgrounds. Open entry/ open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR021
**Remote Work Basics AWD**
This course introduces students to the essential skills necessary for success in today's technology-based remote work environments. Students will learn how to use common digital tools for communication, time management, and collaboration. Topics include video conferencing, email etiquette, online safety, and maintaining productivity from home. The class also explores how to create a professional workspace, stay organized, and balance work and personal responsibilities. Open entry/ open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR022
**Soft Skills for Remote Jobs AWD**
This course helps students develop the communication, teamwork, and problem-solving skills needed to succeed in remote or hybrid work environments. Students will learn how to manage time effectively, stay motivated, and communicate clearly through digital platforms. The class also covers online etiquette, accountability, and strategies for building trust with coworkers and supervisors from a distance. Open entry/open exit.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR023
**AI Basics for the Workforce AWD**
This course provides students with a basic introduction to Artificial Intelligence (AI) and its applications in the workplace. Students will learn what AI means and see examples like voice assistants, chatbots, and smart devices. They will explore how AI can help people save time, stay organized, and perform their jobs more effectively. The class also teaches how to use AI tools safely and responsibly. Open entry/open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR024
**AI Applications at Work AWD**
This course teaches students how Artificial Intelligence (AI) is used in everyday jobs. Students will learn how AI tools can help with writing, scheduling, communication, and problem-solving. They will explore real examples such as chatbots, translation apps, and smart assistants. The class also talks about using AI safely and making effective choices when using technology. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR025
**Social Media Basics AWD**
This course introduces students to social media influence, exploring how to build a personal brand, create engaging content, and grow an online audience. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR026
**Social Media Skills AWD**
This course teaches students the basics of working with brands, analyzing data to improve engagement, and exploring different ways to earn money online. The course will also cover handling challenges like negative feedback and online reputation management. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR027
**Animal Care Basics AWD**
This entry-level course teaches foundational skills for working safely and confidently around animals in shelter, veterinary office, and pet store environments. Students learn basic handling, behavior observation, cleaning routines, health safety, and communication with staff and visitors. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR028
**Intermediate Animal Care AWD**
This course builds on the basics and prepares students for more independent roles in shelters, adoption centers, vet offices, and community events. Students deepen their skills in handling, behavior support, enrichment, record-keeping, teamwork, problem-solving, and assisting in customer service situations. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR029
**Civics Awareness AWD**
This course introduces students to the basic ideas of American civics, how the government works, and why national symbols and historic figures are important. Students will learn what it means to be a responsible and respectful citizen in their community and country.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR030
**Geographic Literacy AWD**
This course helps students build a strong foundation in U.S. geography, including the 50 states, capitals, regions, and major natural and man-made landmarks. Students will develop map-reading skills and learn how geography influences travel, culture, and daily life. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR102
**Understanding Students with Disabilities**
This course is designed to provide students with a basic overview of different disabilities and neurodiversity in classrooms.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR103
**Basic Strategies for Instructing Students with Disabilities**
This course is designed to provide students with instructional strategies to meet the needs of a diverse classroom. Former Title: WKPR 103, Strategies for Instructing Students with Disabilities (Spring 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

## CHILD DEVELOPMENT/EARLY CARE EDUCATION

### PRNT532
**Effective Parenting**
This course empowers parents to strengthen relationships with their children through knowledge of child development, positive communication, and trauma-informed parenting. Emphasis is placed on helping incarcerated parents understand their continued role as caregivers, even while separated from their children, and on developing practical strategies for co-parenting, emotional healing, and family reunification. Topics include developmental stages, parenting children with special needs, communication and discipline, managing guilt and trauma, and promoting children's safety and well-being.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

### PRNT544
**Preparation for Childbirth**
Provides prospective parents with information regarding the intellectual, physical, and emotional components of the birth process. Emphasizes exercise techniques for relaxation, labor, birth, and post-natal care. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

### PRNT600
**Rebranding Family Connections**
Provides parents with an overview of child development milestones (including strategies for effective communication, positive discipline, and child-centered activities). Raises awareness of trauma and the impact of trauma and possible reactions of trauma. Gain additional knowledge of ways to support themselves and their children (impacted by trauma). Encourages parents to take an active role to ensure the social well-being of their children. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 27

## COUNSELING AND GUIDANCE

### CNG303
**Education and Career Assessment**
Assists students with appropriate educational placement and/or an overview of student services, career guidance, and academic pathways information that is available in Continuing Education as a result of individual and group testing. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 3

## CUSTODIAL TECHNICIAN

### VCST101
**Custodial Technician**
Prepares students for employment in custodial services. This course provides essential training for custodial work in a private and public facility. Students will learn safety standards set by California's Occupational Safety and Health Administration (Cal-OSHA), proper usage and maintenance of tools, and general maintenance procedures. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

### VCST102
**Basic Hazmat Safety Standards**
Prepares students for basic training of hazardous materials. Topics include labeling, packaging, identifying and handling of hazardous materials. Students will learn basic Department Of Transportation (DOT) HAZMAT safety standards set by California's Occupational Safety and Health Administration (Cal-OSHA). Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

## ESL INTEGRATED

### ESL120
**ESL for Citizenship**
Provides development in listening, speaking, reading, and writing English within the context of history and government in preparation for the United States Citizenship Examination. Open Entry/Open Exit.
***Former Title:*** ESL Civics (Fall 2021)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72-144

### ESL250
**Seminar for Beginning ESL Students**
Provides instruction in English language skills (reading, writing, listening, and speaking) on topics of interest to beginning English as a Second Language students. Through interactive activities, guided discussions, and practical exercises, students will build confidence in everyday communication and gain exposure to basic grammar and vocabulary. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# ESL260
**Seminar for Intermediate ESL Students**
Provides instruction in English language skills (reading, writing, listening, and speaking) on topics of interest to intermediate English as a Second Language students. Students will explore topics relevant to their language learning needs while building confidence through collaboration and interactive communication. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# ESL270
**Seminar for Advanced ESL Students**
Provides instruction in advanced English language skills (reading, writing, listening, speaking) and related digital literacy skills, on topics of value and importance to Advanced English as a Second Language students. Students will use teamwork, communication, critical thinking and creative thinking skills to enhance learning. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# ESL300
**Literacy**
This is an ESL class for students who are not yet literate in English. Emphasizes communicative competence and basic functional language skills to meet immediate communication needs, including verbal and nonverbal strategies. Develops the ability of second language learners to recognize and read letters and numbers, and copy and produce the alphabet, numerals, and simple personal information. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL301
**Beginning Low**
For students with some literacy in English. Emphasizes language skills in everyday situations and immediate needs of adult English learners, focusing on listening comprehension and beginning oral production of simple conversations, reading of practiced words and phrases, and completing simple writing tasks in the context of school, work, and community. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL302
**Beginning High**
Emphasizes comprehending and participating in simple conversations, communicating survival needs, and reading and performing written tasks in the context of college and career readiness and civic participation. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL303
**Intermediate Low**
Emphasizes comprehending and participating in conversations, communicating needs and opinions, reading from academic and informational text, and performing written tasks. Exposes students to authentic spoken and written content to prepare students for college, the workplace, and civic participation. Five high school elective credits may be granted upon passing the course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL304
**Intermediate High**
Emphasizes expanding oral language, critical and creative thinking skills in English, and reading comprehension of authentic academic and informational text. Written tasks focus on academic and workforce preparation, as well as increased community and civic participation. Five high school elective credits may be granted upon passing the course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL305
**Advanced Low**
Emphasizes higher-level language skills, reading more complex passages with increased understanding, analysis, and improving academic and informational writing skills. Prepares students for academic and workforce success and civic participation. Five high school elective credits may be granted upon passing the course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL306
**Advanced High**
Prepares students for academic and workforce success and civic participation. Emphasizes high-level language skills, conversations that convey complex thought patterns, and reading and writing strategies. This course uses authentic academic, informational, and technical reading materials that expand the use of creative and critical thinking skills. Five high school elective credits may be granted upon passing the course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL440
**Beginning Multilevel**
Provides instruction for students in various levels of beginning English proficiency. Emphasizes speaking, listening, reading, and writing English, with an emphasis on practical language use in familiar contexts. Recommended for students in Literacy, Beginning Low, and Beginning High ESL levels. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 216

# ESL500
**Intermediate Multilevel**
Provides instruction for students in various levels of intermediate English proficiency. Focuses on developing oral language fluency, practical communication skills, and foundational academic writing to enhance overall English proficiency. Recommended for students in Intermediate Low and Intermediate High ESL levels. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 216

# ESL510
**English for Work 1**
Prepares beginning level, non-native English-speaking students to enter the workforce for general or specific occupations. Focuses on workplace communication, work-related vocabulary skills, job applications and postings, workplace safety and issues, and vocational readings with emphasis on verbal communication through basic language skills instruction. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL520
**English for Work 2**
Prepares intermediate and advanced level English language learners from diverse backgrounds to enter the workforce or a vocational program for general or specific occupations. Focuses on inclusive communication skills in the workplace, job safety, work-related vocabulary skills, workplace culture, workplace rights, career pathways, and vocational readings with emphasis on verbal communication through language skills instruction. Five high school elective credits may be awarded upon passing the course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL606
**Computer Skills for ESL**
Students will learn basic computer skills to assist their English language learning. Emphasizes vocabulary and terminology related to computers, basic typing and word processing, website navigation, Internet safety, and email. Students will also use various English language software programs to practice their English. The class is open to ESL students of all levels. Open Entry/Open Exit. Former Title, Computer Skills for ESL Students (Fall 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72-144

# ESL607
**Artificial Intelligence in ESL**
Introduces English language learners to various Artificial Intelligence (AI) tools designed to support language learning. Students will explore AI applications to improve their speaking, writing, reading, and listening skills. Through hands-on practice, students will learn how generative AI tools can enhance language proficiency, provide personalized feedback, and foster independent learning. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72-144

# ESL800
**ESL for Healthcare Careers**
Prepares intermediate and advanced-level ESL students with the language skills required to explore medical vocational programs in Career Education (such as Behavior Technician, Caregiver/Personal Care Aid, Lactation Educator Specialist, Nursing Assistant, and Medical Billing). Expand vocabulary and communicative ability to inquire about healthcare sector occupations. Comprehensive overview of the various pathways within the allied health field and certificate requirements. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 32

# ESL801
**ESL for Patient Care Skills**
Provides English language learners the foundation they need to succeed in CNA and Personal Caregiver programs. Covers medical vocabulary and common healthcare terms and concepts in English. Topics include understanding medical instructions, workplace communication, patients rights, vital signs, body mechanics, patient care procedures, asepsis and sepsis, nutrition, and patient hygiene assistance. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 64-96

## ESL SPEAKING

# ESL530
**American English Pronunciation**
Develops English language fluency and productive and receptive skills as they relate to sound discrimination, sound inventory, stress, intonation, linking, prominence, and rhythm. The course aims to help students understand English and be understood while functioning within communicative, employment, and academic contexts. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 96-216

# ESL570
**Conversation 1**
Introduces intermediate conversational strategies in listening, language use, and non-verbal communication. Presents oral skills necessary for initiating, maintaining, and closing conversations. Emphasis on oral skills that assist in social encounters and expansion of listening and speaking skills. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72-144

# ESL580
**Conversation 2**
Introduces advanced conversational strategies in listening, language use, and nonverbal communication. Presents oral expressions necessary for enhancing conversation and listening skills. Emphasizes differences between formal and informal language based on attitudes and cultures in the United States. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72-144

## ESL WRITING

# ESL501
**Basic Grammar & Writing**
Introduces beginning-level English language learners to an overview of the writing process, including activities to improve grammatical usage. Focus is on basic sentence structure and combining sentences. Open Entry/Open Exit.
***Former Title:*** ESL 010, Basic Grammar Writing (Fall 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72-144

# ESL502
**Intermediate Grammar & Writing**
Strengthens intermediate-level English language learners' writing skills, with a focus on grammatical tenses and various sentence combining structures for cohesive paragraph writing. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72-144

# ESL503
**Advanced Grammar & Writing**
Emphasizes control of more advanced grammar structures in writing, with a focus on complex sentences, punctuation, verb tenses and forms, and word order. Writing instruction focuses on pre-collegiate skills: anticipating the needs and questions of readers, creating clear main ideas with strong support and development, using effective transition strategies, and using effective editing strategies. Open Entry/Open Exit.
***Former Title:*** ESL 601, Advanced Grammar Writing (Fall 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72-144

## FOOD PROCESSING & RELATED TECHNOLOGY

# VFOOD005
**Food Handler Test Preparation**
This course prepares students for employment in commercial and institutional food kitchens. Includes employee terminology, responsibilities, and training when preparing, handling, and serving food to the public. The course covers six key areas; basic food safety, good personal hygiene, controlling time and temperature, preventing cross-contamination, cleaning and sanitizing, and detailed food industry safety guidelines. Prepares the students for ServSafe Food Handler Certification. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

# VFOOD010
**Food Service Manager Test Preparation**
Prepares students for employment in commercial and institutional food kitchens. Topics include an introduction to basic food service administration, personal hygiene and food safety/sanitation, storage, terminology, equipment, food service math and science, nutrition, procedures, and employment preparation. Prepares students for the ServSafe® Food Protection Manager Certification. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

## GERNTOLOGY (GERN)

# OAP824
**Beginning Crochet for Older Adults**
Concentrates on improvement of motor skills and decision making through utilization of crochet techniques. Provides opportunities for analysis and decision-making skills while learning about materials, terminology, and history associated with beginning crochet.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP825
**Beginning Acrylic Painting for Older Adults**
Concentrates on improvement of motor skills and decision making through utilization of acrylic painting techniques. Provides opportunities for analysis and decision-making skills while learning about materials, terminology, and history associated with beginning acrylic painting .
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP826
Beginning Watercolor Painting for Older Adults
Concentrates on improvement of motor skills and decision making through utilization of watercolor painting techniques. Provides opportunities for analysis and decision-making skills while learning about materials, terminology, and history associated with beginning watercolor painting .
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP827

**Introduction to Arts and Crafts for Older Adults**

Concentrates on improvement of motor skills and decision making through utilization of craft techniques. Provides opportunities for analysis and decision-making skills while learning about materials, terminology, and history associated with crafts.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP828

**Beginning Quilting for Older Adults**

Concentrates on improvement of motor skills and decision making through utilization of quilting techniques. Provides opportunities for analysis and decision-making skills while learning about materials, terminology, and history associated with beginning quilting.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP200

**Health and Wellness**

Provides information and discussion related to current and relevant health and wellness topics. Students will research techniques, decision making, and communication skills to enhance learning. Open Entry/Open Exit.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# OAP202

**Healthy Aging and Wellness for Older Adults**

This course is designed to discuss the nutritional requirements and dietary needs of people in the advancing years. Topics to be addressed include relevant symptoms of aging, common age-related illnesses due to poor nutrition, tips for healthy aging, diet, and lifestyle.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP204

**Joint Health and Mobility for Older Adults**

This course provides information on the risk factors and effects of joint injuries and joint health issues with aging. There is also a focus on how joint and mobility training helps promote health, safety, and vitality in older adults. Information on the prevention of joint injuries and demonstrations of fitness exercises to maintain and improve joint health.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP205

**Strength and Stamina for Older Adults**

This course is to provide discussion and appropriate fitness exercises for older adults to maintain or improve their health and wellness. The appropriate fitness exercises are focused on muscle strengthening, flexibility, cardiovascular endurance, balance, and mobility. Also, principles of basic anatomy and physiology will be discussed through lectures.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP456

**Movies and Music for Older Adults**

This course will explore the beginnings, development and role that music plays in the film industry.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP457

**Music Arts for Older Adults**

Provides a positive framework for developing and enhancing music appreciation, vocal and instrumental skills. Emphasis will be on activities designed to encourage creative expression. Open Entry/Open Exit.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# OAP458

**History of Rock and Roll for Older Adults**

This course provides an opportunity for adults to discover the history, development and prominent artists in the rock and roll industry.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP460

**Music Appreciation for Older Adults**

This course provides an opportunity for adults to survey the development and styles of music through history.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP461

**World Music for Older Adults**

This course provides adults with an opportunity to create a global perspective of how people from different countries express music to reflect their culture and national identity.

**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP462

**Basic Music Theory: How Music Works for Older Adults**

This course explores the basic building blocks of music and examines the sights, sounds, and impact that music has on the person. Topic to be addressed include pitch, notation, rhythm, melody, harmony, ear training, scales and triads.

**Transferability:**

**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP518

**Creative Cooking for Older Adults**
Enhances awareness of current cooking techniques, basic nutrition, and consumer awareness. A variety of cooking appliances and methods are utilized. Open Entry/Open Exit.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# OAP519

**Nutrition for Older Adults to Preserve Brain Function & Promote Health**
Provides information and discussion related to current and relevant nutrition research on nutrients that preserve, and support brain health and overall wellness topics are covered. Students research cooking and food storage techniques that enhance the bioavailability of these nutrients in foods.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP520

**Sustainable Cooking in the Southwest & Selected Geographical Regions for Older Adults**
Provides information and discussion related to sustainable agriculture, basic nutrient management, and exploration of the local community food systems. Students research shopping, cooking, and food storage techniques that support a sustainable diet in selected geographical regions.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP800

**Introduction to Keyboarding, Basic Windows and Navigating the Internet**
Provides introductory instruction for keyboarding by touch and learning MS Windows. Introduces students to Windows: navigation, views, commands, file management, desktop customization and simple Accessory programs. Introduces students to the Internet. Topics include types of Internet connections, research and data retrieval techniques, and e-mail. Open Entry/Open Exit.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# OAP802

**Seminar for Older Adults**
Provides information and a discussion forum related to the examination of concerns common to older adults. Discovers specific needs and interests and examines current news events as interpreted through historical background and current political/regional developments and changes. Open Entry/Open Exit.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# OAP803

**Explore World Heritage Sites for Older Adults**
The course explores where each world heritage site is located and its physical characteristics, including location, significant meaning, and historical and cultural background to help students better understand and expand the general knowledge the famous places in the world.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP804

**Top Inventors of all Times for Older Adults**
The course is to provide information and a discussion forum about the world of invention and innovation. The lecture explains the inventor's stories of what motivated the individuals to invent, process of invention, and any obstacles that might have come up. Also, the course is to examine the impacts of invention and innovation on society.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

# OAP823

**Manipulative Skills for Older Adults**
Concentrates on improvement of motor skills and decision making through utilization of a variety of art media and techniques. Provides opportunities for analysis and decision making skills while exercising basic manipulative skills. Open Entry/Open Exit.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# OAP829

**Hand Embroidery**
Concentrates on improvement of motor skills and decision making through utilization of a variety of hand embroidery and art media techniques. Provides opportunities for analysis and decision-making skills while exercising basic manipulative skills.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36-72

## HEALTH EDUCATION

# SAFE877

**Health Issues & Concepts**
Provides a basic foundation in the following health topics: mental, family, and social health; the stages of the life cycle; medicine and drugs; diseases and disorders.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# SAFE898

**Substance Abuse**

Provides instruction and discussion on the following components: addictive substances, physiology of addiction, stages of addiction, coping strategies, family systems, cognitive/behavioral principles, family relationships, and relapse prevention. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

## HS DIPLOMA PROG/GED

# HSART020

**Literature Brought to Life**

Provides students with critical reading, thinking, and writing skills through the study of literature. Literary samples include novels, poetry, short stories, and other selected works of literature. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSART070

**Short Stories**

Introduces the student to the short story as a literary form so that the student will learn how the individual elements work together to present a theme or effect. The student will study the development of the short story and will read selected short stories from various periods. (No credit if a student has taken HSENG 070.) Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSART828

**Understanding America Through Art**

Provides an overview of American civilization through arts and crafts from the colonial period through the 20th century, interpreting arts and crafts in their historical context. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSART837

**The Film As Art**

Traces the history of film from the recording of a single event through the silent film era to current classic films, and identifies the ways films reflect the values of American culture. Culminates in the use of classic and contemporary elements as a basis for modern film. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSART845

**Drawing and Painting 1**

Provides a beginning level studio course which introduces students to the world of visual art. Students will learn to draw and use a variety of materials and techniques to explore the elements of art and principles of design. Primary emphasis will be on drawing and creating works of art. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSART846

**Drawing and Painting 2**

Introduces students to visual arts with an emphasis on learning to paint and create original art works. Students will employ a wide variety of materials and techniques as they explore the elements of arts and principles of design.Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG020

**Literature Brought to Life**

Provides students with critical reading, thinking, and writing skills through the study of literature. Literary samples include novels, poetry, short stories, and other selected works of literature. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG030

**AP English 1A**

Prepares students to take the Advanced Placement Examination. Colleges and universities give advanced placement and/or college credit based on the results of the AP examination. Areas of study include critical analysis of literature and writing assignments requiring focused practice in exposition, argument, personal narrative, and fictional or poetic forms. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG050

**English Through Literature 11B**

Provides students with the opportunity to study the literature of the United States from 1850-present. Language arts skills of reading, analysis, interpretation and writing are emphasized. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG051
**English Through Literature 12B**
Provides students with the opportunity to study some of the central works/authors in British and world literature. Language arts skills of reading, analysis, interpretation and writing are emphasized. MulOpen Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG052
**English Language Arts 1**
Provides students with a basic introduction to composition writing. Emphasis is on improving sentence writing skills, including recognizing subject and predicate, proper writing mechanics, avoiding fragments and run-ons, and composing simple, compound, and complex sentences. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG053
**English Language Arts 2**
Expands the development of language arts skills through reading and actively responding to various works of literature. Presents concepts of English grammar, mechanics, and punctuation through a primary text and technology-enhanced instruction. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG063
**English Through Literature 11A**
Integrates language arts skills and reading analysis interpretation and writing through a literature-based curriculum. Survey course which allows the student an opportunity to study some of the central works in American literature. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** Tenth-grade English or equivalent
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG064
**English Through Literature 12A**
Integrates language arts skills and reading analysis interpretation and writing through world literature. This course allows the student to study some central works in world literature. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** Eleventh-grade English or equivalent
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG066
**English Fundamentals 2**
Introduces and reinforces the basic concepts of sentence structure, punctuation, grammar, parts of speech, and sentence writing skills. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG067
**English Fundamentals 3**
An intermediate English course that expands on parts of speech, grammar, punctuation, sentence patterns, and sentence skills to develop a student s writing ability. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG068
**English Fundamentals 4**
An advanced course in English grammar, parts of speech, punctuation, sentence patterns, and sentence skills to further develop a student s writing ability. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG070
**The Short Story**
Introduces the student to the short story as a literary form so that the student will learn how the individual elements work together to present a theme or effect. The student will study the development of the short story as a genre and will read selected short stories from various periods authors and cultures. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG072
**Poetry**
Introduces poetry as a literary form. Examines the fundamentals of poetry through the reading of poetry from a variety of authors and periods. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG076
**The Novel**
Introduces the student to the novel as a genre and how the individual literary elements work together to present a central purpose. The student will study the elements of the novel and will utilize critical reading, thinking, and writing skills to analyze assigned readings. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable

**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG083

**Composition 1**

Provides instruction and practice in the communication of ideas in written form. Emphasis on mastery of sentence, paragraph, and essay skills including organization in terms of unity, support, and coherence. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG084

**Composition 2**

Provides instruction in writing a well-developed unified essay. Introduces students to practical writing skills and research methods. Meets the composition proficiency requirement. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG085

**Composition 3**

Prepares college bound students with advanced writing assignments that require in-depth research culminating in the production of expository and argumentative essays and a 1500 word-final argumentative research paper. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG086

**College Preparatory Composition**

Provides development of critical reading, academic writing, and academic research skills to prepare students for transfer level associate degree courses. Students will utilize the writing process in extended practice with expository and argumentative essays, will respond to academic reading, and will develop academic research skills and documentation techniques. Emphasis will be placed on refining writing in terms of grammar and sentence skills. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG098

**Building Vocabulary 3**

Provides practice in using context clues to develop vocabulary, including practice with synonyms, antonyms, and analogies. Builds reading comprehension skills and creates a strong vocabulary foundation that enables students to be better readers, writers, thinkers, and test-takers. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG201

**Survey of English Level 1**

Introduces students to the development of language arts skills through reading and active response to works of literature. Multi-media approaches are utilized. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG202

**Survey of English Level 2**

Expands the development of language arts skills through reading and active response to works of literature. Multi-media approaches are utilized. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG203

**Survey of English Level 3**

Explores the literature of the United States from the earliest English settlers to the present. Examines genres and characteristics of various literary movements.Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSENG204

**Survey of English Level 4**

Integrates the language arts skills of reading, analysis, interpretation, and writing through literature. Examines central works in world and British literature. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSGED031

**GED Test Preparation**

Provides pre and post testing and individualized prescriptive instruction in preparation for the GED test. Covers test-taking strategies and the fundamentals of social studies, mathematics, science, writing, and reading. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 360

# HSMTH101

**Introduction to Calculus 1A**

Prepares students to take the Mathematics Advanced Placement Examination. Colleges and universities may give advanced placement and/or college credit based on the results of the AP examination. Areas of study include: functions, limits, continuity, and derivative. The graphing calculator is used extensively in the course and on the AP examinations. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable

**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH102
**Introduction to Calculus 1B**
Prepares students to take the Mathematics Advanced Placement Examination-BC level. Colleges and universities may give advanced placement and/or college credit based on the results of the AP examination. Areas of study include integrals and polynomial approximations. The graphing calculator is used extensively in the course and on the AP examinations.Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH103
**Math Study Skills Support 1A**
This course is designed to assist math students in developing positive attitudes, habits, and techniques in the areas of solving word problems, test-taking strategies, note taking, time management, study skills, strategies for utilizing math textbooks and coping with math anxiety. Open Entry/Open Exit. 1HS credit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 15

# HSMTH104
**Math Study Skills Support 1B**
This course is designed to assist math students in applying positive attitudes, habits, and techniques in the areas of solving word problems, test-taking strategies, note taking, time management, study skills, strategies for utilizing math textbooks and coping with math anxiety. Open Entry/Open Exit. 1 HS credit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 15

# HSMTH120
**Integrated Math 1A**
Provides instruction in expressions and problem solving, solving linear equations, linear equations and inequalities, introduction to functions, exponential equations and functions, and sequences and modeling with functions. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH121
**Integrated Math 1B**
Provides instruction in systems of equations, describing data, linear models for data, transformations, constructions and congruence, and analytic geometry. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH122
**Integrated Math 2A**
Provides instruction in the number system, quadratic polynomials, factoring and solving quadratic equations, functions, quadratic functions and models, and conditional probability.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH123
**Integrated Math 2B**
Provides instruction in geometric reasoning, area and volume, circles, right triangle trigonometry, and conic sections. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH124
**Integrated Math 3A**
Provides instruction in polynomials beyond quadratics to graphing, problem solving, working with rational expressions, and statistical and probability tools, such as the standard normal distribution, to understand data. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH125
**Integrated Math 3B**
Provides instruction in making inferences using simulations, experiments, and surveys. In geometry, students extend trigonometric concepts to general triangles, use trigonometric functions to model periodic processes, and use mathematical modeling by making use of well-developed skills with various mathematical tools. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH154
**Pre-Algebra A**
Covers language, symbolism, and fundamental operations skills required to prepare students for success in Algebra 1. Number and operation sense, estimation skills, and the ability to judge reasonableness of results will be strengthened in the context of practical applications and problem solving. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH155
**Pre-Algebra B**
Covers language, symbolism, and fundamental operations skills required to prepare students for success in Algebra 1 and Geometry. Data analysis, spatial thinking, and the ability to judge reasonableness of results will be strengthened in the context of practical applications and problem

solving. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH156
**Essential Mathematics 1**
Provides the student with practice in math skills that are applicable to everyday situations. Percents, graphs, proportions, and units of measurement are included. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH157
**Essential Mathematics 2**
Provides the student with practice in basic computational skills of mathematics, algebra, and geometry. Practical applications are included. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH158
**Math Fundamentals 1**
Introduces students to basic math skills including whole numbers, fractions, decimals, and percents. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH159
**Math Fundamentals 2**
Provides instruction in the areas of integers, measurements, formulas, equations, inequalities, ratios, and proportions. Provides learning activities that allow for remediation of difficulties and mastery of necessary skills. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH161
**Introduction to Trigonometry 1A**
Study of the trigonometric functions, angles and the unit circle, equations and identities, graphs and applications. The graphing calculator is used extensively throughout the course. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH163
**Algebra 1A**
Provides instruction in sets, numbers, formulas, monomials, exponents, square roots, the laws of the sign, binomials, and simultaneous equations. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH164
**Algebra 1B**
Provides instruction in coordinate systems, graphing of linear equations, simultaneous equations with fractions, ratios, proportions, factoring, formulas, inequalities and square roots. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH165
**Algebra 2A**
Provides students with a course of study in: equations and inequalities; linear equations and functions; systems of linear equations and inequalities; matrices and determinants; quadratic functions; polynomials and polynomial functions; and powers, roots and radicals. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH166
**Algebra 2B**
Provides students with a course of study that includes: exponential and logarithmic functions; rational equations and functions; quadratic relations and conic sections; sequences and series; probability and statistics; trigonometric ratios and functions; trigonometric graphs. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH167
**Geometry A**
This course covers topics in basic geometry, reasoning and proofs, perpendicular and parallel lines, congruent triangles, properties of triangles, and quadrilaterals. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** Completion of ten (10) credits in algebra
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH168
**Geometry B**
This course covers topics in transformations, similarity, right triangles, trigonometry, circles, areas of polygons and circles, surface area and volume. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH169
**Introductory Statistics**
This course introduces the fundamental concepts of Statistics and Probability. Topics include exploratory data analysis, graphs, random variables, distributions (with emphasis on the Normal Distribution), confidence intervals, and inference for means and proportions. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH176
**College Preparation Algebra 1A**
This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations, linear equations, inequalities, system of linear equations, exponents and polynomials . Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSMTH177
**College Preparation Algebra 1B**
This course offers an introduction to basic algebra concepts, math vocabulary, algebraic operations, solutions and applications of first and second-degree equations, geometric concepts, graphs, rational expressions, and equations. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills: None**
**Limitations on Enrollment:**
**Lecture Hours: 72**

# HSMTH180
**Introduction to Trigonometry 1B**
Extends the study of trigonometry, analytical geometry, functional analysis, and algebraic techniques needed in preparation for the study of calculus. The graphing calculator is used extensively throughout the course. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH040
**Introduction to Academic Pathways and Programs**
Exploration of educational pathways with exposure to college resources and support services as students develop strategies for academic success. Information will be presented in academic format, and students will be required to demonstrate mastery through participation in student-centered, hands-on activities. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH050
**Basics of Leadership Part 1**
Introduces applied leadership and self-development skills. Information will be presented in academic format, and students will be required to demonstrate mastery through participation in student-centered, hands-on activities. Open Entry/Open Exit. 2.5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

# HSOTH153
**Supervised Tutoring**
Supervised one-to-one and small group tutoring in academic subject, for students enrolled at Rancho Santiago Community College District in courses(s) for which tutoring is requested. Exam review sessions offered in some areas. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH202
**Basics of Leadership Part 2**
Introduces applied leadership and self-development skills. Information will be presented in academic format, and students will be required to demonstrate mastery through participation in student-centered, hands-on activities. Open Entry/Open Exit. 2.5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

# HSOTH503
**Spanish 1A**
This introductory Spanish course focuses on developing conversational skills in a real-world context. Students will learn foundational grammar and vocabulary while focusing on listening, speaking, and cultural understanding. Emphasis will be placed on engaging students in practical conversation through authentic dialogues and real-life scenarios, with activities that promote speaking confidence and cultural awareness. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH504
**Spanish 1B**
Spanish 1B builds upon the foundational language skills with continued emphasis on the four core language competencies: reading, writing, speaking, and listening in the target language. In this course, students expand their understanding of Spanish grammar and vocabulary, enabling them to express ideas using various tenses. They are encouraged to further enhance both their language proficiency and comprehension of Spanish. Additionally, students will engage in the analysis and comparison of cultural practices, products, and perspectives from diverse Spanish-speaking countries, fostering connections with their own cultural experiences. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH505
**Spanish 2A**
Further develops the student's control of the Spanish language through listening, speaking, reading, and writing activities with emphasis being placed upon listening and speaking. Develops the student's knowledge of cultural topics. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH510
**Spanish 2B**
Further develops the student's control of the Spanish language through listening, speaking, reading, and writing activities with emphasis being placed upon listening and speaking. Develops the student's knowledge of cultural topics. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH511
**Spanish 3A**
This course provides foundational instruction in listening, speaking, reading, and writing skills in the Spanish language. Students will develop the ability to express themselves using an expanding vocabulary, and gain competency in the use of present- and past-tense verbs, articles, and adjectives. Emphasis is placed on practical communication skills, and grammar instruction is integrated to address a variety of learning styles. In addition, the course offers an exploration of the diverse cultures, people, geographic regions, and histories of the Spanish-speaking world. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH512
**Spanish 3B**
This course builds upon the foundational skills, further enhancing students proficiency in listening, speaking, reading, and writing in Spanish. Students will deepen their ability to communicate by expanding their vocabulary and refining their use of present and past-tense verbs, articles, and adjectives. The course incorporates diverse instructional methods to accommodate different learning preferences. In addition to language acquisition, students will engage in a deeper exploration of the cultural, geographical, and historical aspects of Spanish-speaking countries. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH513
**Spanish 4A**
Provides instruction in listening, speaking, reading, and writing skills. Students will express themselves using an ever-increasing vocabulary, present- and past-tense verbs, articles, and adjectives. Grammar is practiced with a variety of learning styles in mind. Throughout the course, students experience the culture, people, geographical locations, and histories of the Spanish-speaking world. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSOTH514
**Spanish 4B**
Provides instruction in listening, speaking, reading, and writing skills. Students will express themselves using an ever-increasing vocabulary, present- and past-tense verbs, articles, and adjectives. Grammar is practiced with a variety of learning styles in mind. Throughout the course, students experience the culture, people, geographical locations, and histories of the Spanish-speaking world. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSRDG089
**Reading Proficiency Development**
Enables students to become proficient in practical, content, and reference skills as well as improve general comprehension and vocabulary skills. This course provides preparation for the reading proficiency examination. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSRDG090
**Reading Improvement**
This course concentrates on two main approaches to improve reading skills: speed reading, which increases the number of words that can be read in a minute, and use of reading strategies to extract information from a text in the most effective way possible. Students will advance and adjust their individual reading rates appropriate to purpose. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSRDG093
**Building Reading Skills 1**
Provides an opportunity for skill development in word recognition, comprehension, study and content reading skills which are necessary for success in the High School Subjects program. Computer-aided instruction is included. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSRDG094
**Building Reading Skills 2**
Provides an opportunity for skill development in word recognition, general and inferential comprehension, critical thinking and content reading skills which are necessary for success in the High School Subjects program. Computer-aided instruction is included. Open Entry/Open Exit. 5 HS credits.

**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSS338

**Workforce Preparation**
Provides instruction, exposure to career assessment tools, demonstration, identification, and discussion of topics that are critical for success in the 21st century workplace. Open Entry/Open Exit. 1 HS credit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 15

# HSS400

**High School Equivalency Test Preparation**
Provides pre- and post-testing and individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test-taking strategies and the essentials of reading, writing, mathematics, science, and social studies. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 180

# HSS401

**High School Equivalency Test Preparation - Mathematics**
Provides pre- and post-testing and individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test-taking strategies and the essentials of mathematics. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSS402

**High School Equivalency Test Preparation - Writing**
Provides pre- and post-testing and individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test-taking strategies and the essentials of writing. Open Entry/Open Exit. 5 HS credits.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSS403

**High School Equivalency Test Preparation - Reading**
Provides pre- and post-testing and individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test-taking strategies and the essentials of reading. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSS404

**High School Equivalency Test Preparation - Science**
Provides pre- and post-testing and individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test-taking strategies and the essentials of science. Open Entry/Open Exit. 5 HS credits.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSS405

**High School Equivalency Test Preparation - Social Science**
Provides pre- and post-testing and individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test-taking strategies and the essentials of social studies. Open Entry/Open Exit. 5 HS credits.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSS406

**High School Equivalency Test Preparation - Mathematics A**
Provides pre- and post-testing and individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test-taking strategies and the concepts in mathematics related to numbers, operations on numbers, data analysis, probability, and statistics. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSS407

**High School Equivalency Test Preparation - Mathematics B**
Provides pre- and post-testing and individualized prescriptive instruction in preparation for a High School equivalency exam. Covers test-taking strategies and the concepts in mathematics related to measurement, Geometry, algebraic concepts, and mathematical formulas. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSS500

Orientation to High School and Online Learning
This course will transition students into our High School Program by familiarizing them with department and division resources. Also students will be introduced to online learning and testing. Open Entry/Open Exit. 2.0 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 30

# HSS600
**Test Preparation**
The course includes practice in test taking for reading, writing, and math tests. Strategies for the question types include sentence completion, vocabulary, critical reading, writing, question elimination, and showing all of your work. Students will become familiar with standardized testing. Open Entry/Open Exit. 2.0 HS credits.
***Former Title:*** HSS 600, Transition to College or the Workforce (Spring 2025).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 30

# HSS770
**Orientation to College**
Introduces college services and programs. Identifies and explores programs and services designed to assist students entering college credit courses. Open Entry/Open Exit. 1.5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 8

# HSSCI100
Chemistry 1B
Extends the study of properties that can be used to identify matter and the techniques to measure those properties. Core topics include thermochemistry, gases, liquids and solids, solutions, chemical equilibrium, acids and bases, and organic chemistry. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI168
**Life Science 1**
Surveys the principles and concepts of life science, including the study of organisms and their environment. Cells, plants, protists, heredity, and diversity of life will be examined. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI169
**Life Science 2**
Surveys the principles and concepts of life science, including the study of animals, ecology, and the human body. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI182
**Physiology 1A**
Develops an understanding of the structure and functions of the systems of the body and their relationships. Fundamental topics include structural and functional organization of the human body, cell physiology, integration of skeletal, muscular and nervous systems. Study of other organisms is included to complement an understanding of the human body. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI183
**Physiology 1B**
Develops an understanding of the structure and function of the systems of the body and their relationships. Fundamental topics include structural and functional organization of the human circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI184
**Chemistry 1A**
Presents the introduction to the study of properties that can be used to identify matter and the techniques to measure those properties. The process of science for obtaining and analyzing information will be stressed. Measurement and mathematics will be emphasized. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI190
**Physical Science 1**
Surveys the principles and concepts of physical science, including matter, atoms, chemical bonds and reactions, solutions, acids and bases, and carbon chemistry. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI191
**Physical Science 2**
Surveys the principles and concepts of physical science including motion, force, work, energy, waves, light, and sound, electricity, and magnetism. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI192
**Basic Science 1**
Surveys basic principles and concepts of general science including Earth, space, and physical science. Examines minerals, rocks, the atmosphere, weather, climate, and the earth in space. Discusses properties and classes of matter, Newton's Laws of Motion, energy and energy resources. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI193
**Basic Science 2**
Surveys principles and concepts of life and ecological science. Examines life structure and classification, cellular processes, heredity, evolution, body systems, plants, ecology, and conserving resources.Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSCI196
**Health Science**
Provides a basic foundation in personal health, nutrition, body functions, first aid and community health.Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSOC215
**Introduction to Economics**
Introduces the basic concepts of economics. Explores the basic questions of every economic system. Examines money, the role of consumers, workers, businesses, and governments. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSOC216
**World Cultures 1A**
A general survey of world history and culture from the fourteenth century Italian Renaissance to the nineteenth century and the Industrial Age.Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSOC217
**World Cultures 1B**
A general survey of world history and culture from World War I to the present including modern industrialization and globalization. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSOC218
**U.S. History 1: Colonization to Industrialization**
Surveys events, movements, and personalities in United States history from the colonial period through reconstruction, westward expansion, and industrialization. Includes immigration, plight of Native and African Americans, reform movements, and geographical influences in the history of the United States. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSOC219
**U.S. History 2: The Shaping of Modern America**
Examines United States history from the beginning of industrialization to present. Emphasizes the emergence of America on the international, economic, geographical, social, and political scene. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSOC222
**Government 1: United States Federal Government and Politics**
Examines the development of the federal government from colonial times and the structure of contemporary government. Explores the economic, social, and political influence on American citizens and their civic duties and responsibilities. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSOC229
**World History, Geography, and Culture 1**
Presents various historical time periods that shape the world events. Begins with the foundations of civilization and continues on to the Industrial Age. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# HSSOC230
**World History, Geography, and Culture 2**
This course reviews major historical events and global perspectives from World War I to the present. Topics include the world wars, decolonization, modern industrialization, globalization, and the interconnected political, social, and cultural developments that continue to shape the modern world.Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# MATHCE100
**Math Study Skills and Basic Skills Support**
This course is designed to assist math students in developing positive attitudes, habits, and techniques including areas of problem-solving, test-taking strategies, study skills, time management, mindset, coping with

math anxiety, and basic skills needed to be successful in a math course. This course is designed to assist math students to develop positive attitudes, habits, and techniques in application to their current credit math course. Includes areas of problem-solving, test-taking strategies, study skills, time management, mindset, coping with math anxiety, and basic skills needed to be successful in a math course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 100

# MATHCE206
**College Preparation Essential Mathematics**
This course includes operations of whole numbers, fractions, decimals, integers and working with percentages, ratio, proportion, measurement, mensuration geometry, basic algebra and applied word problems.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 144

# MATHCE255
**College Preparation Algebra**
This course includes an introduction to basic algebra concepts, properties of real numbers, factoring, exponents and radicals, solving and graphing linear equations, polynomials and rational algebraic expressions, and linear systems of equations, solving quadratic equations and applications. Open Entry/Open Exit. 10 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 144

# MUSCE126
**Chorale Music**
Provides a beginning level studio course which introduces students to the world of chorale singing. Students will learn to rehearse and perform a variety of music, including classical, folk tunes, and songs from Broadway musicals. Each semester requires performance of a variety of new repertoire. Field trips are required. Open Entry/Open Exit. 5 HS credits.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

## INMATE EDUCATION

# WKPR099
**Attitudes for Success**
Provides students with classroom discussion and information about discovering/accepting responsibility for attitudes and behaviors (past, present and future), and making choices based on principles that influence success in their personal, educational, and career development.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

## LEARNING SKILLS HANDICAP

# SSD200
**Issues and Concepts for Adults With Developmental Disabilities**
Provides information related to topics of everyday interest and importance to adults with developmental disabilities. Examines issues of relevance and provides a forum for discussion and exploration of various topics, such as current events, cultural awareness and health. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 100

# SSD787
**Employment Preparation for Adults with Developmental Disabilities**
Assists adults with developmental disabilities attain a higher functional level for the purpose of employment. Teaches skills necessary to establish and maintain productive interpersonal relationships social interaction and etiquette related to home community and vocational settings. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 100

# SSD788
**Independent Living Skills for Adults with Developmental Disabilities**
Assists adults with developmental disabilities attain a higher functional level for independent living in these areas: health and nutrition, personal appearance, communication, manners, money management, safety and consumer awareness, transportation, social interaction, and practical reading, writing and math skills related to home and community settings. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 100

# SSD793
**Physical Activities for Adults with Developmental Disabilities**
Assists adults with developmental disabilities acquire the skills necessary to maximize physical capabilities through physical activities tailored to their abilities. Students will be guided through independent and group activities to develop fitness awareness. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 100

# OFFICE TECHNOLOGY/ COMPUTER APPLICATIONS

## VBUS010
**Adobe Dreamweaver**
Provides introductory instruction on Adobe Dreamweaver, one of the industry s leading web authoring tools. Students will learn how to create, publish, manage, and maintain a website and mobile content. Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VBUS013
**MS Outlook**
Provides introductory instruction on Microsoft Outlook, one of the industry s leading personal data management applications. Students will learn how to better manage their electronic communications, schedules, tasks, and contact information using Outlook s E-mail, Calendar, Coordinate Meetings, Task, and Contact components. Open Entry/Open Exit. Former title: Introduction to Personal Management using Microsoft Outlook (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VBUS014
**Social Media**
Provides introductory instruction on how to incorporate social networks and mobile technology in a business environment utilizing applications and tools such as Instagram, LinkedIn, Facebook, X (formerly Twitter), TikTok, Pinterest, Snapchat, and YouTube. Open Entry/Open Exit. Former Title: Introduction to Mobile and Social Media Tools (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VBUS030
**Home-Based Business**
This course provides an overview of the process of planning, launching, and operating a home-based business. Students will learn to distinguish between the various forms of home-based businesses and explain how they can be supported by business models. Open Entry/Open Exit. Former Title: How to Build a Home-Based Business (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VBUS035
**Generative AI for Small Business**
Introductory course on how to employ generative artificial intelligence (GenAI) tools for a small business. Applies use cases for using AI in small businesses, including research, creating tables and staff schedules, generating images for marketing materials, conducting a SWOT (strengths, weaknesses, opportunities, and threats) analysis, and developing a business plan with the assistance of GenAI tools. Open entry / open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VBUS040
**Accounting for Non-Accountants**
Designed for those who may be interested in building a home-based business, this course introduces general accounting principles, including basic terminology, processes, and an overview of financial statements. An emphasis is placed on utilizing accounting methods to generate and interpret financial information in real-life situations to make managerial and financial decisions. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VBUS050
**Quickbooks**
This course is designed for individuals who have little to no knowledge of the QuickBooks software. Participants will learn basic fundamentals of navigating the accounting software, which will include setting up a company file, recording transactions, setting up accounts, generation of reports, banking, and implementing general accounting knowledge within the software. The course will be taught with the use of a practice company and assignments, along with supporting video guides monitored by the instructor. At the end of this course students are expected to have basic knowledge to navigate and perform basic transactions in QuickBooks Online. Open entry / Open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 30

## VBUS096
**Digital Photography**
Provides introductory instruction on using digital still and digital video cameras. Introduces students to camera selection, basic features, compositional guidelines, how to transfer files from the camera to the computer, basic image editing, use of photos/videos in common applications, and output options. This course is designed to be taken independently or concurrently with courses, such as Adobe Photoshop or Premiere. Open Entry / Open Exit. Former Title: Introduction to Use of Digital Cameras and Photography (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VBUS097
**eCommerce**
Provides introductory instruction to online commerce on the Internet, with an emphasis on buying and selling online. Platforms include eBay, Amazon, Etsy, and Shopify. Topics include privacy and security issues,

searching techniques, auction bidding, secure payment methods, selling techniques, and protecting consumer rights. Open Entry / Open Exit. Former Title: Introduction to Personal Commerce on the Internet (Fall 2023).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS101
**3D Modeling using Blender**
Provides introductory instruction on 3D modeling and basic animation using Blender software. Introduces students to Blender's interface, 3D space, modeling tools, texture mapping, lighting, camera control, rendering, and basic animation. Open Entry / Open Exit. Former Title: Introduction to 3D Modeling using Blender (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS102
**Adobe InDesign**
Provides introductory instruction on desktop publishing using Adobe InDesign. Introduces students to navigation of InDesign's work area, document setup, placement of text and graphics within frames, styles, color and transparency features, and how to export and print professional-quality InDesign files. Open Entry / Open Exit. Former Title: Introduction to Adobe InDesign (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS103
**MS Project**
Provides introductory instruction on the use of Microsoft Office Project software. Students will learn how to set up a project, manage project files, create a task list, schedule tasks, view a schedule, define and assign resources and costs, track a project, analyze progress, and revise a schedule. Open Entry / Open Exit. Former Title: Introduction to MS Project (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS105
**3D Animation using Blender**
Provides introductory instruction for creating short 3D animations using Blender software for viewing on the Internet or in other multimedia formats. Students learn to create animations using Blender's animation editors, e.g., Timeline, Graph Editor, and Dope Sheet, along with animation tools, e.g., rigging (armature), physics simulations, particles, shape keys, constraints, drivers, and camera tracking. Students will gain an understanding of the basics needed to succeed as an animator. Open Entry / Open Exit. Former Title: Introduction to 3D Animation using Blender (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS107
**Seminar in Adobe Tools**
Explores and provides instruction in evolving Creative Cloud applications for the personal computer such as design, web, and video/audio tools. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS109
**Adobe Premiere Video Editing**
Provides introductory instruction on desktop digital video production and editing using industry-standard software. Includes capturing, importing, assembling, and editing video, audio, and still images. Open Entry / Open Exit. Former Title: Introduction to Desktop Video Editing using Adobe Premiere (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS117
**Adobe Acrobat**
Introduces students to portable document formats created with Adobe Acrobat. Students learn how to convert simple and complex documents to PDF files; navigate, edit, and annotate PDF files; and distribute PDF files via the Internet. Open Entry / Open Exit. Former Title: Introduction to Document Processing using Adobe Acrobat (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 30

# VBUS118
**Microsoft Windows Overview**
Provides introductory instruction for learning MS Windows. Introduces students to Windows: navigation, views, commands, file management, desktop customization, Help, and other Windows programs; for example, address book and electronic communications. Open Entry/Open Exit.
***Former Title:*** Introduction to Windows (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS119
**Keyboarding and Basic Windows**
Provides introductory instruction for keyboarding by touch and learning MS Windows. Introduces students to Windows: navigation, views, commands, file management, desktop customization, accessibility tools, and simple accessory programs, such as Copilot, Character Map, Calculator, and Paint. Working with simple media are also explored. This course or Introduction to Windows is highly recommended prior to taking other courses taught within the Windows environment. Open Entry / Open Exit. Former Title: Introduction to Keyboarding and Basic Windows (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None

**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS120
**Adobe Animate**
Provides introductory instruction for creating short Adobe Animate movies for viewing on the Internet or for viewing in other multimedia formats. Students learn to create animations using Animate s drawing tools, layers, and timeline. Students also are given an opportunity to explore Animate s libraries, preview movies, save, and publish Animate s documents. Open Entry / Open Exit. Former Title: Introduction to Animations using Adobe Animate (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS121
**Computer Applications Basics**
Provides individual skill-building assistance on industry-standard computer applications, e.g. Web, MS Office, Adobe Creative Suite/Cloud, and Multi-Media applications. Open Entry / Open Exit. Former Title: Introduction to Computer Software Applications (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS130
**3D Printing**
This course is designed to teach students how to use a 3D printer and the technology behind it. Students will learn about the different plastic filaments that are used and how to feed them into the printer for optimal performance. Students will also learn about different 3D printing technologies, various components of a 3D printer, calibration techniques, software, and design methods. An emphasis is placed on familiarizing students with the use of 3D printing in the areas of personal applications, engineering, design, manufacturing, and possible future applications of this exciting technology. Open Entry/Open Exit. Former Title: Introduction to 3D Printing (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS140
**Google Applications**
This course provides an overview of Google Applications, a collection of cloud computing, productivity, and collaboration tools, with an emphasis on their use of effective workplace communication. Applications covered include Google Documents, Sheets, Slides, Drive, and Forms. Open Entry / Open Exit. Former Title: Introduction to Google Applications for Work (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS150
**Digital Marketing**
This course is an introduction to the use of digital marketing methods to research market conditions in local, regional, or national areas, and to gather information to determine potential sales of a product or service. An emphasis is placed on core digital marketing strategies, including content creation, search engine optimization (SEO), email marketing, social media, paid advertising, and analytics. Students will learn how to use marketing tools to gather and analyze information on competitors, prices, and sales. Open entry / Open exit. Former Title: Introduction to Digital Marketing (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS152
**Digital Marketing Analytics**
This course is an introduction to the theory and practice of digital marketing analytics. Students will explore the theory of web analytics and how they are used in real-world business situations. An emphasis is placed on identifying the appropriate analytics tools to collect, analyze, and visualize data from the web, using that data to make decisions that impact an organization, its stakeholders, and its customers. Open entry / Open exit. Former Title: Introduction to Digital Marketing Analytics (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS160
**Financial Services and Investments**
Provides an introduction to financial services with an emphasis on the Securities Industry Essentials (SIE) exam. Topics include: 401(k), IRA, Stocks, Mutual Funds, Bonds, Precious Metals, Bank Accounts, and Cryptocurrencies (such as Bitcoin). The roles of financial advisors, bankers, and other financial services personnel will be explained. Open entry / Open exit. Former Title: Introduction to Financial Services and Investments (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS161
**Bitcoin and Digital Assets**
Provides an introduction to Bitcoin and other digital assets. An emphasis is placed on why they were created, how they work, how they are obtained, and how to incorporate them into an investment plan. Open entry / Open exit. Former Title: Introduction to Bitcoin and Digital Assets (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS170
**Customer Service**
This course is designed to teach students how to operate effectively in a customer service environment by combining foundational principles with practical application.
An emphasis is placed on understanding customer needs, managing interactions across multiple channels, such as email, telephone, etc., handling complaints professionally, and delivering clear, empathetic, and

structured responses, particularly in written format. The course also introduces modern tools, including CRM systems and AI-assisted writing, to improve efficiency and consistency in customer communications. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS171

**Workplace Communication for Sales & Service**
This course builds essential communication skills for sales success, including audience analysis, persuasive messaging, nonverbal delivery, and professional digital communication. Through role-playing, presentations, and case studies, students practice handling objections, adapting to diverse customers, and applying ethical, customer-centered strategies. Emphasis is placed on building trust, delivering clear and persuasive messages, and enhancing workplace professionalism. Open entry / Open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS180

**WordPress**
This course provides a complete introduction to building professional websites using WordPress.org. Students will learn how to install, configure, design, and launch a fully functional website using the modern Full Site Editing (FSE) experience and the Twenty Twenty-Five theme. By the end of this course, every student will have a live, fully designed website and a structured design system built inside WordPress. This course is ideal for beginners, small business owners, freelancers, and aspiring web designers. Open entry / Open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS242

**Adobe Illustrator**
Provides introductory instruction in computer graphics and design. Includes basic design concepts, use of illustration tools, and modification of art work and text layout. Open entry / Open exit. Former Title: Introduction to Vector Graphics using Adobe Illustrator (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS257

**Seminar in Business Applications**
Explores and provides instruction in evolving standard software applications commonly used in business. Emphasis is placed on developing practical skills in navigating and utilizing current technologies. Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS260

**Introduction to Word Processing using MS Word**
This course provides instruction in concepts and techniques of Microsoft Word. Students will learn procedures of creating, editing, and formatting office/business documents of varying complexities. They will create business letters and tables, use mail merge, illustrate documents with graphics, and more. A passing grade may be awarded if a student completes and passes all the required assignments and final exam. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS261

**MS Access**
Provides instruction in basic concepts addressing typical database objects, including tables, queries, forms, and reports with MS Access software. Open entry/Open exit Former Title: Introduction to Databases using MS Access (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS262

**MS Excel**
Provides students with instruction to spreadsheet concepts and software using Microsoft Office Excel. Students will learn how to create a worksheet, use formulas and functions, insert charts and tables, and more. Open entry / Open exit Former Title: Introduction to Spreadsheets using MS Excel (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS302

**HTML Basics**
Provides introductory instruction to web page development. Topics include web page design elements: HTML; insert graphic images, movie and sound formats; and testing pages on cross platforms. Open Entry/ Open Exit. Former Title: Introduction to Web Page Development using HTML Basics (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS303

**Adobe Photoshop**
Provides introductory instruction to electronic imaging using Adobe Photoshop software. Topics include beginning Photoshop features, scanner basics, image and file formats, color, importing/exporting of files, and printing. Open entry / Open exit. Former Title: Introduction to Electronic Imaging using Adobe Photoshop (Fall 2023)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VBUS304
**MS PowerPoint**
Provides students with instruction on how to use PowerPoint features (e.g., templates, layouts, pictures, graphics, animation, multi-media assets) to create engaging presentations. Students will also discuss best practices for using PowerPoint as a visual aid for any presentation. Open entry / Open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VOCATIONAL DOG TRAINING

# VDOG020
**Concepts in Dog Training**
Provides an introduction to basic concepts of dog training, including proper techniques to socialize shelter dogs for placement in private homes. Emphasizes techniques for training animals to perform specific tasks or improve obedience.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 20

# VDOG030
**Practical Dog Training**
Applies the concepts of dog training to the actual training of a shelter dog preparing it for adoption in a family home.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 160

## VOCATIONAL PHOTOGRAPHY

# VFOTO100
**How to Fly a Drone**
This course will provide the student with introductory instruction and the opportunity for hands-on training to learn to fly a drone, as well as prepare to study for the Federal Aviation Administration 14 CFR Part 107 certification exam which is required for anyone desiring to fly drones for commercial purposes, or for the Recreational UAS Safety Test (TRUST) exam for recreational flyers.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VFOTO101
**Drone Photography and Video**
Course will cover basics of drone photography and video production - from the capture standpoint as it relates to drone imaging as well as important camera settings for capturing great images, and aircraft settings for enabling smooth cinematic movement for videography. Students will also learn the basics of digital asset management and editing of drone still images and video using Adobe Lightroom, Photoshop, and Premiere.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VFOTO102
**Adobe Lightroom**
Adobe Lightroom is a course that instructs students in image organization and image manipulation. Open entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

## VOCATIONAL WAREHOUSE

# VWHS010
**Warehouse Worker**
Provides instruction, demonstration and discussion of topics that are critical for the entry level warehouse worker. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

## VOCATIONAL PROTECTIVE SERVICES

# VPS100
**Unarmed Public Safety and Security Officer I**
The Unarmed Public Safety and Security Officer program provides training to be licensed as an unarmed security guard in the State of California as well as comprehensive specialty training for handcuffing, chemical agents (pepper spray), and First Aid/CPR/AED training. This intense program consists of theory and lecture and extensive hands-on practical work to prepare the student for the Bureau of Security and Investigative Services (BSIS) exams and the job market. Students who successfully complete the program will be prepared for entry level employment as unarmed security guards, public safety officers, or loss prevention personnel.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VPS101
**Unarmed Public Safety and Security Officer II**
The Unarmed Public Safety and Security Officer program provides training to be licensed as an unarmed security guard in the State of California. This course focuses on use of force, arrest, search and seizure, as well as correct use of chemical agents such as pepper spray. (Open entry / open exit).
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

## VOCATIONAL CLOTHING - OECIE

### VCLTH477
**Fundamentals of Commercial Sewing**
Provides instruction in commercial sewing including the selection of textiles, thread, and needle size appropriate to each item to be sewn or manufactured. Provides in-depth study of design, pattern making, construction, and quality control aspects of manufacturing.Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 180

### VCLTH483
**Introduction to Commercial Sewing**
Introduces basic commercial sewing skills, including safe operation of equipment, sewing terminology, use of patterns, fabric cutting, garment construction, and repair.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 160

## VOCATIONAL CARPENTER - OECIE

### VCNST859
**Introduction to Cabinetry/Furniture Refinishing Pre-Apprentice**
Provides introductory instruction in workshop safety and basic use of tools and power equipment, cabinet design, construction principles, and the use of finishes on common types of woods and cabinets.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 180

### VCNST953
**Fundamentals of Cabinetry/Furniture Refinishing, Pre-Apprentice**
Provides instruction in basic cabinetry/furniture construction, refinishing and repair with an emphasis on the use of hand and power tools.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 180

## VOCATIONAL WEDLING - OECIE

### VCNST608
**Introduction to Welding, Pre-Apprentice**
Introduces welding safety, proper use of hand and power tools, and the basics of arc welding.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 180

### VCNST611
**Fundamentals of Welding, Pre-Apprentice**
Provides basic instruction and training in Arc welding, Tungsten Inert Gas welding (TIG), and Metal Inert Gas welding (MIG).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 180

## VOCATIONAL CONSTRUCTION AND UTILITIES

### VECU010
**Solar Installation I**
This program aims to provide students with the foundational skills and knowledge required to become a solar photovoltaic system installer. It covers the principles of solar energy, system components, safety protocols, electrical basics, and installation techniques for residential solar panel installations. Open entry / open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

### VECU011
**Solar Installation II**
Solar Installation II focuses on the design, installation, and maintenance of off-grid and battery-based solar systems. It covers advanced topics such as battery technology, system sizing, energy management, and troubleshooting, with an emphasis on creating efficient and sustainable solar solutions. It is the second course in a solar installation series that prepares students to enter a solar photovoltaic installation technician career. Open entry / open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

### VECU020
**Solar Sales I**
This course will teach students the essential skills for effectively designing and selling grid-tie solar systems. It covers solar energy fundamentals, financial analysis, customer energy consumption assessment, proposal development, and the articulation of financial incentives, such as tax credits and return on investment. The course is designed for individuals pursuing a career in solar sales, equipping them with the tools and knowledge to create compelling sales proposals. Open entry / open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

### VECU021
**Solar Sales II**
This course introduces students to the specialized field of selling and estimating off-grid and battery solar photovoltaic systems. Students will gain expertise in assessing customer needs, developing tailored

sales proposals, understanding battery technologies, and discussing the benefits of energy independence. It is the second course in a solar sales series that prepares students to enter a solar photovoltaic system sales career. Open entry / open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VECU030
**Basic Hand Tools**
This course introduces students to the essential knowledge and applied skills required to safely identify, select, use, and maintain common hand tools used across the construction trades. Students learn how to match tools to specific tasks, inspect tools for proper condition, and apply safe operating procedures in a variety of basic construction activities. Through demonstrations, guided practice, and hands-on exercises, students build confidence and competency in using hand tools effectively and responsibly. The course supports learners of all backgrounds in developing foundational skills that promote safety, accuracy, and professionalism on the job site. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 30

# VECU031
**Basic Power Tools**
This course introduces students to the safe identification, operation, and basic maintenance of common power tools used across the construction trades. Students learn how each tool is constructed, how to select the appropriate tool for a given task, and how to apply safe operating procedures in real-world scenarios. Emphasis is placed on inspecting tools for proper function, understanding manufacturer guidelines, and practicing responsible use to prevent injuries and equipment damage. Through demonstrations, guided practice, and hands-on activities, students develop confidence and competency with essential power tools. The course supports learners of all backgrounds in developing foundational skills that promote safety, accuracy, and professionalism on the job site. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 30

# VECU032
**Basic Material Handling**
This course introduces students to the safe and efficient handling of materials commonly used on construction job sites. Students learn how to identify potential hazards, apply proper lifting and stacking techniques, and follow established procedures for transporting and unloading materials. The course also provides an overview of both motorized and non-motorized material handling equipment, including their functions, limitations, and safe operating practices. Through demonstrations, guided practice, and hands-on activities, students develop the knowledge and applied skills needed to move materials responsibly and prevent workplace injuries. The course is designed to support learners of all backgrounds in building confidence, safety awareness, and professionalism in construction environments. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 16

# VECU033
**Basic Rigging**
This course introduces students to different types of rigging slings and hardware and describes how those items are used. This course explains how to properly inspect slings and hardware items. This course examines different types of hoists used in rigging and describes common rigging hitches and how to make the Emergency Stop hand signal. The course supports learners of all backgrounds in developing foundational skills that promote safety, accuracy, and professionalism on the job site. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 20

## VOCATIONAL MEDICAL

# VMED010
**Nurse Assistant Program Overview**
This course is designed to introduce students to the clinical and theoretical requirements of the Nursing Assistant (CNA) Training Program. Students will learn what it takes to become a Certified Nursing Assistant in California and how to meet state certification requirements. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 5

# VMED011
**Nurse Assistant Training Program (NATP)**
Designed for students who want to become Certified Nursing Assistants (CNA), this course meets the theory and clinical requirements established by the California Department of Public Health (CDPH) for Nursing Assistants. This course prepares students to enter the workforce in an entry-level healthcare career. Upon completion, students are eligible to take the California certification exam. Students must complete all required lecture hours and clinical training hours to be eligible to take the certification exam. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 240

# VMED012
**Nursing Assistant Theory**
The Nursing Assistant Theory course provides students with the theoretical knowledge necessary to prepare for the California Department of Public Health (CDPH) state examination. This course meets CDPH training hour and content requirements. Topics include: roles and responsibilities of a Certified Nursing Assistant (CNA); patients' rights; interpersonal skills; prevention and management of catastrophes and unusual occurrences; body mechanics; medical and surgical asepsis; weights and measures; patient care skills; patient care

procedures; vital signs; nutrition; emergency procedures; long-term care patients; rehabilitative nursing; observation and charting; death and dying; and abuse. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 90

# VMED013

**Nursing Assistant Skills Practice**
The Nursing Assistant Skills Practice course provides students with hands-on training to prepare for the California Department of Public Health (CDPH) state examination to earn the designation of Certified Nursing Assistant (CNA). This course is designed exclusively for hands-on skills development and demonstration to support competency attainment. Topics include: resident's rights; prevention and management of catastrophes and environmental emergencies; body mechanics; medical and surgical asepsis; weights and measures; patient care skills; resident care procedures; vital signs; nutrition; emergency procedures; rehabilitative/restorative care; observation and charting; abuse recognition and reporting; and communication skills for caring for long-term care patients. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 90

# VMED020

**Overview of the Medical Assistant Training Program**
Designed for students interested in becoming medical assistants, this course provides an overview of the required areas of study in the medical assistant training program, including medical terminology, body systems, human diseases, clinical procedures, microbiology, and surgical assisting. Emphasis is placed on employment preparation and required coursework to take the exam to become a Registered Medical Assistant (RMA). Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 10

# VMED021

**Medical Terminology for Medical Assistants**
Designed for students interested in becoming medical assistants, this course is an introduction to medical terminology, including the techniques of medical word building using basic word elements. Topics include: major suffixes in the surgical, diagnostic, symptomatic groups and related suffixes; suffixes denoting adjective, noun, singular and plural forms of medical words; major prefixes denoting position, number and measurement, negation, direction and anatomical, physiological and pathological terms.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED022

**Business Procedures for Medical Assistants**
Designed for students interested in becoming medical assistants, this course covers the role of communications, ethics, health insurance, pharmacology, bookkeeping/records, office management, personal organization (supplies, equipment use and maintenance, mail/postage), ergonomics, and safety factors.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 180

# VMED023

**Body Systems for Allied Health**
Designed for students pursuing careers in Allied Health, this course provides a comprehensive overview of the human body and its systems. Students will explore cell structure, the special senses, and major body systems, including the endocrine, skeletal, muscular, integumentary, circulatory, respiratory, nervous, digestive, urinary, and reproductive systems. Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED024

**Human Diseases and Disorders for Allied Health**
Designed for students pursuing careers in Allied Health, this course provides an overview of human diseases. It covers pathology and oncology, diseases of the eyes/ears, skeletal system diseases and disorders, muscular system diseases and disorders, endocrine diseases and disorders, skin diseases, diseases of the blood and immune systems, respiratory diseases and disorders, neurological disorders, gastrointestinal disorders, diseases of the urinary system, and disorders of the reproductive systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED025

**Clinical Procedures for Medical Assistants**
Designed for students interested in becoming medical assistants, this course provides an introduction to clinical procedures. Students will learn how to perform the following procedures: complete physical examinations (CPX), eye and ear lavages, bandaging and wound care, handling emergencies using mobility assisting devices, electrocardiography and mounting the results record, cardiopulmonary resuscitation (CPR), pulmonary function tests, hemoglobin and glucose testing, and taking throat cultures. Students will also learn how to use clinical charting abbreviations, universal precautions and sterile techniques, assist with pap and pelvic examinations, perform pregnancy tests, set up rectal trays, assist with pediatrics, and prepare special diets.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 120

# VMED026

**Advanced Clinical Procedures for Medical Assistants**
Designed for students interested in becoming medical assistants, this course is a hands-on experience covering the following topics: using various methods to achieve asepsis to control growth of microbes, performing strep tests and throat cultures including instructions for culture and sensitivity, obtaining specimens, using a microscope and other medical office instruments, identifying surgical instruments and their uses, sanitizing and disinfecting surgical instruments with special emphasis on autoclaving, setting up sterile trays for minor office surgeries, surgical

assisting, scrubbing and gloving, preparing the skin, preparing the patient.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 90

# VMED027
**Externship for Medical Assistants**
Designed for students interested in becoming medical assistants, this course provides experience in a selected physician's office or health care facility. The medical assisting student is supervised and evaluated by qualified medical personnel. The student will have an opportunity for equal exposure to administrative and clinical experience and is required to meet and discuss learning with the instructor on a regular basis.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 160



# VMED030
Introduction to Caregiving
This course is designed to prepare students to assist the elderly, convalescents, or persons with disabilities with daily living activities at the person's home or in a care facility. Duties performed at a place of residence may include keeping house (making beds, doing laundry, washing dishes) and preparing meals. Topics covered include methods of advising families, the elderly, convalescents, and persons with disabilities regarding such things as nutrition, cleanliness, and household activities. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED031
**Caregiver Training**
This course is designed to provide students with hands-on experience as caregivers. Students will apply caregiver skills in a simulated caregiving environment. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 42

# VMED032
**Caregiver Externship**
The Caregiver Externship is a hands-on learning experience designed to immerse participants in real world caregiving environments, including home care and memory care settings. Through guided shadowing opportunities, caregivers gain practical experience in providing meaningful companionship and essential support to elderly individuals, particularly those facing cognitive decline, grief, or social isolation. Students will engage directly in caregiving activities, including assisting with Activities of Daily Living (ADLs), meal preparation, light housekeeping, and mobility support. The externship emphasizes compassionate care, effective communication, and safety practices that promote both client well-being and caregiver resilience. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED040
**Growth & Development for the Community Worker**
Students will explore growth and awareness through topics emphasizing the identification of one's identity and awareness, the practice and growth of self-reflection, and the sharing of ideas to enhance interpersonal communication. These topics include adapting communication to a variety of settings and circumstances to promote mutual respect and appreciation. Students will engage in work on communication with colleagues, students, and parents. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED041
**Ethics for the Community Worker**
Students will explore ethics through topics that investigate the complexity of ethical issues and dilemmas. These topics include ethical competency and cultural sensitivity, children s and parents values, and empowerment in dealing with difficult ethical decisions. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED042
**Crisis Intervention for Para-Professionals**
Students will explore theories and techniques of short-term crisis intervention and subsequent referral procedures. Students learn the principles involved in helping clients resolve their concerns and practice the skills of resolution focused, immediate crisis intervention strategies. Specific crisis intervention practices include suicide prevention and outreach approaches within in a multicultural context. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED043
**Community Worker Program Fieldwork**
This course is the fieldwork component that accompanies the first year of the Community Worker Award Program. Students will be exposed to a range of community worker roles in order to select the Community Worker Award pathway that best aligns with their professional goals. Through approved fieldwork assignments, students will apply foundational community work knowledge and skills gained across the five core courses. Emphasis is placed on professional conduct, community engagement, and reflective practice. Students will participate in group supervision to examine their strengths, challenges, and growth during practical application. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 90

# VMED044
**Child Abuse**
Students will explore methods used in the identification of physical, emotional, and sexual abuse and neglect with an emphasis on developing skills for paraprofessionals working with children and families. Includes methods of referral to public and private agencies that deal with investigation and treatment, with an emphasis on multicultural issues in the definition of child abuse. Review current federal, state, and local child abuse laws. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED045
**Child and Adolescent Development**
Students examine the biological, cognitive, emotional, social, and moral development of children and adolescents from early childhood through adolescence. The course explores major theoretical perspectives, developmental sequences, and the interaction of biology, environment, culture, family, and society in shaping development. Emphasis is placed on understanding developmental milestones, individual differences, and best practices when working with children and adolescents in educational and community settings. This course addresses development from early childhood through adolescence, with attention to contextual and cultural influences. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED046
**Fundamentals of the Child and Adolescent Classrooms**
Students will acquire the basics of curriculum and lesson plan development, as well as the different Article 22 Laws, to effectively work with children. The topics covered will include: how to effectively respond to emergencies involving CPR/First Aid; the impact of Article 22 in our community; the traditional curriculum development method; the modern method that incorporates a culturally sensitive, practical approach; and how to develop age-appropriate games. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# VMED047
**Child and Adolescent Development Field Work**
This course is the fieldwork component that accompanies Child and Adolescent Development in the Community Worker Program. Students will apply the basics of child development and various theoretical perspectives to work effectively with children during approved weekly fieldwork assignments. Students will engage in group supervision to explore in depth their strengths and opportunities during the practical application. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED048
**Basics of Parenting Education**
Students will explore the basics of adult education, emphasizing the skills needed to teach a parenting class effectively using andragogy. The topics covered will include: public speaking, interpersonal communication, nonverbal communication, and exploration of various teaching currents. Students will engage in individual and group work to practice the basics of effective communication both in and out of the classroom. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED049
**Advanced Parenting Education**
Students will gain demonstrable skills needed to teach a Parenting Class. The topics covered will include: storytelling, reflective communication, teaching styles, lesson plans, subject matter, needs based curriculum, rhetorical questions, self-disclosure, and assessments. Students will engage in individual and group work to practice the parent educator skills. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# VMED052
**Basics of Parenting Education Fieldwork**
Students will gain demonstrable skills needed to teach a Parenting Class. The topics covered will include: storytelling, reflective communication, teaching styles, lesson plans, subject matter, needs base curriculum, rhetorical questions, self-disclosure, and assessments. Students will engage in individual and group work to practice the parent educator skills. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED053
**Basics of Case Management**
Students will explore the basics of case management, emphasizing the skills needed to prepare a case plan with individuals and families effectively. The topics covered will include: interviewing techniques, needs and strengths assessments, and effective communication for case management. Students will engage in individual and group work to practice the basics of case management. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED054
**Intermediate Case Management**
Students, under supervision, will apply the basic case management skills to prepare case plans for individuals and families effectively. Proper documentation and monitoring of a case load will be completed. Students will be required to research and develop a network of community resources to refer clients. The topics covered will include: client evaluation, case planning, resource linking, case monitoring, and proper documentation for case management. In addition to the standard course lecture/seminar, the students will engage in individual and group work to do case management. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# VMED055
**Basic Case Management Field Work**
This course is the fieldwork component that accompanies Basics of Case Management in the Community Worker Program. Students will apply the basics of case management, emphasizing the skills needed to effectively prepare a case plan with individuals and families during approved weekly fieldwork assignments. Students will engage in group supervision to explore in depth their strengths and opportunities during the practical application. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED056
**Domestic Violence**
Students will explore methods used in the identification of physical, psychological, financial or sexual abuse of a partner with an emphasis on developing skills for paraprofessionals working with the abused and their children. Includes methods of referral to public and private agencies that deal with investigation and treatment within a multi-culturally sensitive paradigm. Review current federal, state and local abuse laws. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED057
**Advanced Group Dynamics**
Students will apply advanced skills in group dynamics through topics emphasizing effective interaction with people, utilizing theory, interpersonal communication, trust, and shared experiences. These topics include how theory affects a group, motivation, power and conflict, purpose and meaning, teamwork, and how groups work to satisfy human needs. The course will be offered in multiple languages to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED060
**Home Health Aide Theory for CNAs**
The Home Health Aide (HHA) program prepares individuals who hold Certified Nurse Assistant (CNA) certificates to develop the knowledge and skill set necessary for working as Home Health Aides. The instruction builds and expands on CNA training with increased focus and experience in the areas of medical and social patient needs, personal care services, nutrition, cleaning, and home care. Open Entry/Open Exit. Former Title: VMED 060, Overview of the Home Health Aide Training Program (Fall 2024)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED061
**Home Health Aide Clinicals for CNAs**
The Home Health Aide program prepares individuals who are Certified Nurse Assistants (CNAs) to attain certification as Home Health Aides. The program is designed to comply with both State and Federal regulations and includes clinical hands-on experience in Home Health Agencies, Skilled Nursing Facilities, or Hospitals. The instruction builds and expands on CNA training with an increased focus on developing skills in personal care services, nutrition, cleaning, and home care. Successful students will be eligible to obtain their California Home Health Aide (HHA) Certification. Open Entry/Open Exit Former Title: VMED 061, Home Health Aide (HHA) Training (Fall 2024)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED070
**Acute Care Theory for CNAs**
With an emphasis on acute care theory, this course prepares the student to provide basic personal care to patients in the acute care setting. Students will learn to effectively communicate with peers, instructors, patients, families, and employees of the facility. This is the first course in a sequence of classes designed to encourage the mastery of tasks consistent with entry-level employment in the acute care setting. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 90

# VMED071
**Acute Care Practice for Nurse Assistants**
With an emphasis on the clinical practice of acute care skills, this course is designed to train students for employment as nursing assistants in the acute care facility. Integrated throughout the course are essential employability skills for the healthcare industry. Content area skills focus on direct patient care of the acute and chronically ill patients. Safety practices in the acute care setting will be emphasized. Students will work with neonatal and postpartum care, elimination, surgery, admissions, transfers, and discharges. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 132

# VMED080

**Introduction to the Behavior Technician Program**

The behavior technician program prepares individuals for a certification exam and frontline work in the field of applied behavior analysis. This is an entry-level program designed to meet training national requirements for certification as a behavior technician. Courses will cover Autism Spectrum Disorder, basic principles of Applied Behavior Analysis (ABA), teaching methodologies based on ABA, prompting, generalization and maintenance, and data collection for skill acquisition. This is the first course in a two-course series. Students who successfully complete both courses in this series will learn the skills required to sit for any of the three nationally accredited behavior technician exams, such as Applied Behavior Analysis Technician (ABAT), Board Certified Autism Technician (BCAT), and Registered Behavior Technician (RBT).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED081

**Behavior Technician Certification Training**

The behavior technician program prepares individuals for a certification exam and frontline work in the field of applied behavior analysis. This is an entry-level program designed to meet training national requirements for certification as a behavior technician. Classes in this course will cover defining behavior, Functional Behavior Assessment, Antecedent and Consequence Interventions, Measurement, Community and Social Skills, and Ethics and Professionalism. This is the second course in a two-course series. Students who successfully complete both courses in this series will learn the skills required to take any of the three nationally accredited behavior technician exams, such as Applied Behavior Analysis Technician (ABAT), Board Certified Autism Technician (BCAT), and Registered Behavior Technician (RBT). Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED090

**Medical Coding Basics**

Introduces the student to basic medical coding by using coding knowledge and skills that align with the medical billing workflow. Students will be using ICD-10-CM, CPT and HCPCS level II coding sets. Reporting diagnoses, provider services and procedures by abstracting coding information from medical records and learning legal, ethical and reimbursement issues as they relate to medical coding. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED091

**Introduction to Medical Billing**

Introduces students to concepts and skills needed for a successful career in medical office billing. Students will learn current procedural terminology, the general flow of information in a medical office, and the role of computers. Open Entry/Open Exit. Former Title: VBUS 080, Introduction to Medical Billing
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED092

**Advanced Medical Billing**

This advanced course offers a rigorous examination of the end-to-end revenue cycle management (RCM) process within the healthcare sector. Students analyze utilization management and various insurance reimbursement models while mastering the technical progression from initial insurance processing to final collections and appeals. The curriculum emphasizes legal compliance, precise financial analysis through insurance mathematics, and the procedural resolution of claim disputes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED093

**AI Assisted Medical Billing**

This course is designed for medical billing students, focusing on the integration of artificial intelligence within the medical billing landscape. This course bridges foundational billing practices with emerging AI technologies. The program is structured to provide understanding as to how AI-driven tools can be applied to optimize healthcare workflows while maintaining administrative and ethical integrity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED094

**Medical Billing Externship**

The Medical Billing Externship is designed to provide students with comprehensive, hands-on experience in the administrative and financial sectors of healthcare. This curriculum focuses on the mastery of medical billing software, strict adherence to coding compliance, and the navigation of the complete revenue cycle. By integrating theoretical knowledge with practical application, the program prepares students for professional practice in diverse healthcare environments, ensuring they are equipped to manage patient data, insurance claims, and financial reporting with precision. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 120

# VMED100

**Lactation Educator Specialist I**

The Lactation Educator Specialist Program prepares individuals interested in promoting health and wellness to become lactation educators. This is the first course in a two-course series that meets the standards of the Lactation Education Accreditation and Approval Committee (LEAARC). Courses will cover local and global public health considerations, basic breastfeeding management such as basic anatomy and physiology of lactation, positioning and latch, common breastfeeding challenges, and counseling skills. This is the first course in a two-course series.
***Former Title:*** VMED 100, Introduction to Lactation Educator Specialist (Summer 2024)
**Transferability:** Not transferable
**Entrance Skills:** None

**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED101
**Lactation Educator Specialist II**
The Lactation Educator Specialist course prepares individuals interested in working to promote health and wellness for families to become lactation educators. This is the second course in a two-course series. An emphasis is placed on contraindications to breastfeeding, techniques to address complications that may occur, and basic lactation management. Open Exit/Open Entry. Former Title: VMED 101, Lactation Educator Specialist (Summer 2024)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED102
**Lactation Consultant Education**
The Lactation Consultant Education class prepares individuals to become specialized in the clinical management of breastfeeding. This class is the third in a three-course series that meets the required lactation education training to become an International Board Certified Lactation Consultant (IBCLC). This curriculum meets the standards of the Lactation Education Accreditation and Approval Committee (LEAARC) and will focus on developing best practices to provide quality lactation care and support for families. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 48

# VMED103
**Lactation Consultant Clinical Skills**
This course provides supervised, practical experience in lactation consulting across clinical and community settings. This course provides opportunities to apply theoretical knowledge to real-world situations, developing skills in maternal and infant assessment, chestfeeding/breastfeeding management, communication, documentation, and interdisciplinary collaboration. Students will develop evidence-based skills aligned with the International Board Certified Lactation Consultant (IBCLC) competencies, with an emphasis on cultural responsiveness, research integration, and public health advocacy. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 312

# VMED110
**BLS/CPR for Healthcare Professionals**
This course provides essential Basic Life Support (BLS) training for healthcare professionals. Students will learn life-saving skills, including high-quality chest compressions, airway management, rescue breathing techniques, and how to respond to cardiac arrest and choking emergencies. The course will be taught according to current guidelines established by the American Heart Association (AHA), covering Adult, Child, and Infant CPR. Students will also be trained to use an Automated External Defibrillator (AED) and earn a 2-year certification upon passing the course. Open entry/Open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 8

# VMED120
**Medical Documentation**
This introductory course is designed for students who are interested in pursuing careers as medical or allied healthcare professionals. This course explores the importance of accurate documentation in healthcare, covering key topics such as medical terminology, patient record-keeping, confidentiality, subjective vs. objective information, and common documentation errors with strategies for avoiding them. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 18

# VMED121
**Medical Terminology for Allied Health**
This course prepares students to analyze, define, pronounce, and comprehend medical language. Students will learn about the specialized vocabulary healthcare professionals use to describe the human body, medical conditions, procedures, treatments, and healthcare processes. Topics covered include medical terminology, abbreviations, and standardized communication in clinical settings. This course is perfect for anyone interested in working in the healthcare field. Open entry/open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED122
**Occupational Safety and Security for Health Professionals**
Healthcare workers encounter many risks within their scope of practice. This course provides allied health professionals with comprehensive knowledge of occupational safety and security. Students will learn skills to help them identify and mitigate workplace hazards, protect themselves from occupational risks, and ensure a safe environment that promotes quality care and reduces employer costs and liability. Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 18

# VMED123
**Professional Ethics for Healthcare Professionals**
This course is designed to introduce students to the principles of professional ethics in healthcare occupations. Students will learn about the values, standards, and responsibilities that guide ethical decision-making in healthcare. Topics include patient confidentiality, informed consent, professional conduct, and ethical dilemmas commonly encountered by healthcare professionals. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# VMED124
**Universal Safety Precautions and Infection Control**
This course provides an overview of infection control principles, including microbiology fundamentals and the chain of infection. Students will learn evidence-based practices for preventing healthcare-associated infections (HAIs) and applying universal safety precautions in healthcare settings. Emphasis is placed on infection prevention strategies to protect both patients and healthcare professionals in the workplace. Open Entry/

Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 18

# VMED125
**Medication Math for Allied Health**
This course provides foundational math skills required for safe medication administration in Medical Assistant (MA) and Licensed Vocational Nurse (LVN) programs. Emphasis is placed on accuracy, unit conversions, oral and injectable medication calculations, IV flow rates, and clinical case scenarios aligned with scope of practice. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

# VMED140
**Community Health Worker I**
This course prepares students to serve as Community Health Workers (CHWs), frontline public health professionals who act as liaisons between health/social services and communities. Students will develop core competencies in communication, interpersonal and relationship-building, service coordination and navigation, capacity-building, advocacy, individual and community assessment, and outreach. Emphasis is placed on addressing social determinants of health and promoting health equity in diverse communities. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# VMED141
**Community Health Worker II**
This course prepares students to serve as Community Health Workers (CHWs), frontline public health professionals who act as liaisons between health/social services and communities. Students will develop core competencies in education and facilitation, professional skills and conduct, evaluation and research, and a knowledge base on health topics. Emphasis is placed on developing professional skills and a knowledge of health factors affecting diverse communities. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 48

# VMED142
**Community Health Worker Field Experience**
This course prepares students to serve as Community Health Workers (CHWs), frontline public health professionals who act as liaisons between health/social services and communities. Students will apply core competencies in outreach, health education, advocacy, cultural humility, care coordination, and communication within a supervised community health care setting. Emphasis is placed on addressing social determinants of health and promoting health equity in diverse communities. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 90

# VMED150
**Mental Health Technician I**
This course provides an introduction to the mental health field and prepares students for entry level roles as Mental Health Technicians. Students will explore foundational concepts, including mental health and wellness, common mental health disorders, professional roles within the field, ethical considerations, and basic helping skills. Emphasis is placed on developing practical skills such as communication, observation, documentation, and maintaining professional boundaries. The course also introduces trauma informed care, cultural responsiveness, and self-care strategies essential for working in behavioral health settings. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED151
**Mental Health Technician II**
This course provides students with hands on training in the core skills required of Mental Health Technicians, with an emphasis on communication, documentation, and crisis response in behavioral health settings. Students will develop practical competencies in therapeutic communication, behavioral observation, and professional documentation while working within a multidisciplinary team. Topics covered include the role of mental health technician, advanced communication skills, behavioral observation, documentation, ethics, safety prevention, and crisis awareness. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 90

# VMED152
**Mental Health Technician Externship**
The Mental Health Technician Externship prepares students for successful entry into the mental health workforce through the development of job readiness skills and practical workplace competencies. Students engage in structured externship preparation and supervised field experience in approved mental health settings, with emphasis on entry level Mental Health Technician responsibilities, workplace professionalism, and career readiness. Students will explore career pathways in mental health and gain experience in professional communication, teamwork, and workplace expectations. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 90

# VMED200
**Vocational Nursing Overview**
The LVN program prepares students for California BVNPT licensure and the NCLEX-PN through comprehensive theory, clinical training, and essential patient care skills. Designed with the Peralta Online Equity Rubric, it promotes equitable access, inclusivity, and UDL principles to support all learners. Open entry/open exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 5

# VMED201
**Vocational Nursing Orientation**
This course introduces expectations for the Vocational Nursing program while fostering an inclusive, supportive learning community that values diverse backgrounds and promotes culturally responsive care. It accommodates varying levels of technology access and uses multiple methods of engagement, representation, and expression to support diverse learning needs and preferences. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 12

# VMED202
**Nursing Practice Fundamentals**
This course introduces fundamental nursing skills for providing safe, compassionate, and culturally responsive care to diverse individuals, families, and communities while addressing potential biases in healthcare. Students develop competencies in basic care, infection control, communication, and patient safety using inclusive, accessible learning methods that support diverse needs and reduce technology barriers. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 78

# VMED203
**Nursing Practice Fundamentals, Skills/Clinical**
This integrated skills-and-clinical course prepares students to perform fundamental nursing skills and apply them in supervised settings to deliver safe, compassionate, and holistic care to diverse individuals, families, and communities. Students develop core competencies such as hygiene care, vital signs monitoring, documentation, infection control, nutrition support, therapeutic communication, and safe mobility, while examining how cultural factors, social determinants, and biases influence care and interactions. Learning occurs through accessible skills labs and clinical experiences that promote equity, inclusion, and reflection, supported by diverse placements, academic resources, and structured dialogue on representation in healthcare. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 120

# VMED204
**Nursing Foundations**
This course emphasizes core nursing competencies grounded in QSEN principles to promote safe, high-quality, and equitable care for diverse populations, with focus on patient-centered care, teamwork, evidence-based practice, quality improvement, safety, and informatics. Students develop clinical judgment through the nursing process, comprehensive assessment, and care of complex and vulnerable populations while examining the impacts of structural racism, bias, and social determinants of health on outcomes. The course also explores healthcare systems, ethics, policy, diversity, psychosocial dynamics, and interdisciplinary communication within an inclusive, accessible learning environment supported by Universal Design for Learning principles, technology access options, and student support resources. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 84

# VMED205
**Nursing Foundations Skills/Clinical**
This course integrates hands-on skills lab instruction with supervised clinical practice to develop core nursing skills grounded in QSEN principles while valuing diverse identities, cultures, and lived experiences. Students learn patient-centered care, teamwork, safety, quality improvement, and informatics while building clinical judgment through the nursing process and caring for diverse, complex, and vulnerable populations, with attention to the impacts of bias, structural racism, and social determinants of health. Through inclusive, accessible simulations and real-world clinical experiences, students develop technical competence, cultural responsiveness, communication, and ethical awareness needed to deliver safe, equitable, and high-quality care. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 182

# VMED206
**Nursing Pharmacology**
This course introduces essential pharmacology principles for safe and effective nursing practice, emphasizing how genetic, cultural, and social factors influence medication responses and adherence across diverse populations. Students learn medication classifications, pharmacokinetics, safe administration, error prevention, and the application of the nursing process while examining the impact of bias, health disparities, and access barriers on medication management and patient outcomes. Through inclusive, accessible learning activities, students develop skills in patient education, clinical judgment, and culturally responsive care, supported by resources that promote success across diverse learning needs. Open Exit/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 84

# VMED207
**Nursing Pharmaclogy Skills/Clinical**
This course integrates skills-lab practice with supervised clinical application to build competency in safe, patient-centered medication management while recognizing how genetic, cultural, and social factors influence responses and adherence across diverse populations. Students develop skills in medication preparation and administration, clinical judgment through the nursing process, and evaluation of therapeutic and adverse effects, while examining the impact of bias, health disparities, and access barriers on medication safety and outcomes. Through inclusive simulations and clinical experiences grounded in Universal Design for Learning, students strengthen pharmacologic knowledge, communication, and culturally responsive care needed for equitable and effective nursing practice. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 152

# VMED208
**Nursing 1 Adult Med Surg**
This course examines the structure and function of body systems related to protection, movement, and homeostasis while recognizing how health disparities and social determinants affect these processes across diverse populations. Students develop comprehensive assessment skills, analyze risk factors and common disorders, and apply evidence-based

interventions while considering the impact of bias, genetic variation, environmental influences, and access to care on patient outcomes. Through inclusive, accessible learning grounded in Universal Design for Learning, students build clinical judgment and culturally responsive care approaches to support healing, balance, and equitable health outcomes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 122

# VMED209
**Nursing 1 Adult Med Surg Skills/Clinical**
This course integrates skills-lab instruction with clinical practice to develop nursing assessment and intervention skills related to protection, movement, and homeostasis while examining the impact of health disparities, structural inequities, and social determinants across diverse populations. Students build competency in system-based assessment, clinical judgment, and evidence-based interventions, considering how genetic, environmental, and social factors—as well as bias—influence physiological processes, patient outcomes, and care planning. Through inclusive, accessible learning experiences grounded in Universal Design for Learning, students strengthen culturally responsive, patient-centered nursing practices that promote equity, safety, and effective clinical care. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 182

# VMED210
**Nursing for Mental Health**
This course focuses on nursing care for individuals experiencing alterations in resilience, behavior, mood, and cognitive functioning while recognizing the impacts of historical trauma, systemic oppression, stigma, and social determinants of mental health across diverse populations. Students develop skills in assessment, therapeutic communication, and evidence-based interventions using the nursing process, while examining cultural variations in mental health expression and the effects of bias on diagnosis and treatment. Through inclusive and accessible learning experiences, students build culturally responsive, trauma-informed approaches that promote equitable care, address access barriers, and support diverse patient needs. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

# VMED211
**Nursing for Mental Health Skills/Clinical**
This course integrates skills-lab and clinical learning to develop assessment, communication, and intervention skills for individuals with alterations in resilience, mood, cognition, and behavior while recognizing the impacts of trauma, stigma, and social determinants of mental health. Students build competency in therapeutic communication, the nursing process, and evidence-based, trauma-informed, and culturally responsive interventions, while examining how bias and structural barriers affect mental health care and outcomes. Through inclusive and accessible simulation and clinical experiences, students strengthen clinical judgment, cultural humility, and patient advocacy to provide safe, equitable, and person-centered care.Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# VMED212
**Nursing for Maternal/Child Health**
This course explores the foundations of obstetric nursing, focusing on care of women and newborns during pregnancy, childbirth, and the postpartum period while honoring diverse cultural practices, family structures, and addressing maternal health disparities. Students examine reproductive anatomy, fetal development, physiological changes, complications, labor processes, and newborn care while analyzing how social determinants, access barriers, and systemic inequities impact maternal and infant outcomes. Emphasis is placed on culturally responsive, evidence-based nursing care that supports maternal and neonatal well-being, respects diverse practices, and promotes equitable outcomes.Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 34

# VMED213
**Nursing for Maternal/Child Health Skills/Clinical**
This course integrates skills-lab and clinical learning to develop essential obstetric and newborn nursing skills across pregnancy, labor, postpartum, and neonatal care while honoring diverse cultural practices, family structures, and addressing maternal health disparities. Students build competency in maternal and fetal assessment, labor support, newborn care, and evidence-based interventions, while examining the impacts of medical racism, bias, and social determinants on maternal and infant outcomes. Through inclusive and accessible learning experiences, students strengthen clinical judgment, cultural humility, and advocacy skills to provide safe, equitable, and patient-centered care for birthing individuals and newborns. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED214
**Nursing for Pediatrics**
This course focuses on nursing care for infants, children, and adolescents, emphasizing growth, development, and family-centered care while recognizing the impact of social determinants, cultural factors, and systemic inequities on child health outcomes. Students develop skills in pediatric assessment, nutrition, development, and care of common conditions across body systems, while examining how environmental influences, access to care, and bias affect pediatric health and clinical decision-making. Emphasis is placed on safe, culturally responsive care, health promotion, and family education to support optimal outcomes for diverse pediatric populations. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 34

# VMED215
**Nursing for Pediatrics Skills/Clinical**
This course integrates skills-lab instruction with clinical practice to build pediatric nursing assessment, communication, and intervention skills across developmental stages, emphasizing family-centered care and the

influence of social determinants, cultural factors, and systemic inequities on child health. Students develop competency in age-appropriate assessment, vital signs, therapeutic communication, and evidence-based care for common pediatric conditions while addressing bias, health disparities, and diverse family needs. Through inclusive, accessible learning experiences, students strengthen clinical judgment, cultural responsiveness, and interprofessional collaboration to provide safe, equitable care for children and their families. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# VMED216
**Nursing 2-Adult Med Surg**
This course examines advanced structure and function of body systems related to protection, movement, and homeostasis, with emphasis on hormone and glucose regulation, thermoregulation, pain, fatigue, sensory perception, and intracranial processes while recognizing the impacts of health disparities, environmental factors, and systemic inequities. Students develop assessment and clinical judgment skills to identify imbalances and analyze risk factors, considering how bias—especially in areas like pain management—affects care and outcomes. Emphasis is placed on evidence-based interventions and culturally responsive care strategies that address diverse beliefs, access barriers, and social determinants to promote healing and optimal patient outcomes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 72

# VMED217
**Nursing 2 Adult Med Surg Skills/Clinical**
This course integrates skills-lab and clinical learning to develop advanced nursing assessment and intervention skills for complex regulatory processes, including pain, fatigue, sensory perception, and hormone, glucose, temperature, and intracranial regulation, while examining the impacts of health disparities and systemic inequities. Students build clinical judgment through comprehensive assessment, monitoring, and evidence-based interventions, while analyzing how bias and social determinants influence symptom interpretation, treatment decisions, and patient outcomes. Through inclusive and accessible learning experiences, students strengthen culturally responsive care, interdisciplinary collaboration, and clinical reasoning to promote safe, equitable, and effective management of complex physiological conditions. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 120

# VMED218
**Nursing for Leadership**
This course introduces leadership and management principles for the Licensed Vocational Nurse, emphasizing inclusive leadership, cultural competency, and advocacy for health equity across diverse healthcare settings. Students develop skills in communication, delegation, time management, and ethical practice while exploring leadership styles, professional responsibilities, and the impact of diverse perspectives on team effectiveness and patient outcomes. The course also supports career readiness through portfolio development, job preparation, and exploration of professional growth opportunities while addressing barriers and promoting equity in nursing advancement. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 32

# VMED219
**Nursing for Leadership Skills/Clinical**
This course integrates skills-lab and clinical learning to develop leadership, management, communication, and professional practice skills for the LVN/LPN role, emphasizing inclusive leadership, cultural competency, and equity-focused care. Students build competency in delegation, prioritization, team coordination, and ethical decision-making while examining how bias and systemic inequities influence team dynamics, patient outcomes, and professional practice. Through applied experiences and career-readiness activities, students strengthen leadership confidence, professional identity, and advocacy skills needed to provide safe, equitable, and patient-centered care across healthcare settings. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 52

# VMED220
**NCLEX-PN Review**
This 25-40 hour NCLEX-PN Review Course provides a comprehensive overview of all major exam content areas, including Safe and Effective Care Environment, Health Promotion and Maintenance, Psychosocial Integrity, and Physiological Integrity. The course emphasizes clinical judgment, prioritization, pharmacology, and body-system disorders while integrating culturally responsive care and health equity considerations throughout. NCLEX-style practice questions with rationales are embedded to reinforce learning and assess readiness. Designed to build exam confidence and competency for safe, effective practical nursing practice.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 25-40

## VOCATIONAL REAL ESTATE

# VRE009
**Real Estate Career Exploration**
Real Estate Career Exploration is the first course in the real estate series and designed for real estate students new to the program. Topics covered include: wide variety of real estate careers (residential, commercial, public), goal setting for success, academic path and expectation, modern job skills required, equity in housing, ethics and legal compliance, résumé preparation, and interview readiness. Students will complete the class with a finished résumé and a personal career goal report. Course is open to anyone considering a part-time or full-time real estate career in sales, mortgage financing, appraisal, escrow, tax assessor, home owners association management, investment, corporate real estate, and other. No prerequisites; however, basic computer skills and competency in college-level English are strongly recommended.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE054

**Community Management Basics of Association Management 1**

This series provides a broad overview of the Common Interest Development (CID) industry and specific requirements to meet your community s expectations, including: community association definitions and types; client relations and communications; volunteer roles and operations; governing document structure; financial management obligations; practical administration skills; and insurance practice and risk management. This Course is required of all students seeking to secure their CCAM certification for the first time.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE055

**Community Management Basics of Association Management 2**

This series provides a broad overview of the CID industry and specific requirements to meet your community s expectations, including: community association definitions and types; client relations and communications; volunteer roles and operations; governing document structure; financial management obligations; practical administration skills; and insurance practice and risk management.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE056

**Community Management CA Law Series 1**

This interactive series is made up of four topic modules that include best practices and the laws you must know and apply when managing community associations in California, including basic principles of California laws regarding common interest developments (CIDs), financial operations and management, and meeting and records.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE057

**Community Management CA Law Series 2**

This interactive series is made up of four topic modules that include best practices and the laws you must know and apply when managing community associations in California, including basic principles of California laws regarding common interest developments (CIDs), financial operations and management, and meeting and records.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE058

**Foundational Ethics for Community Managers**

During this interactive course, a variety of scenarios that demonstrate the official rules of conduct for community managers will be discussed. Participants will review CACM s (California Association of Community Managers) Code of Professional Ethics and Standards of Practice and gain an understanding of ethics complaints, disciplinary actions and the appeals procedures.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 18

# VRE102

**Real Estate Principles**

Provides basic information about real estate and prepares students for advanced study in specialized courses. Includes deeds, titles, agency, contracts, mathematics, finance, appraisal, escrow, leases. Required for the California real estate salesperson license. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE103

**Legal Aspects of Real Estate**

California real estate law including contracts, ownership, estates, easements, landlord-tenant, trust deeds, liens, agency, security devices, and land use. Applies towards: (1) required course for the California real estate salesperson licensing and (2) California real estate broker's license requirements. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE105

**Real Estate Practice**

Operation of the real estate business and the role of the agent. Includes listing, prospecting, sales techniques, use of current real estate forms; financing, title insurance, escrow, and taxation. This course is required for the educational requirement for the California real estate salesperson license and may be applied toward the California real estate broker license requirements.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE106

**Real Estate Finance**

Analysis of real estate financing. Covers the mortgage market, lenders, conventional and government-backed loans, processing and closing loans, foreclosures. Applies towards the partial fulfillment for the educational requirements for (1) California real estate salesperson license and (2) California real estate broker license. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE110

**Real Estate Economics**

Covers the factors influencing real estate values. Includes business cycles, regional and community growth, influences on real estate development. Applies towards the partial fulfillment for the educational requirements

for (1) California real estate salesperson license and (2) California real estate broker license. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE112
**Real Property Management**
Principles and practices of managing residential, apartment, commercial, and income properties. Covers property management, leases and contracts, collections, rent schedules, tenant selection and supervision, and budgets. Applies towards the partial fulfillment for the educational requirements for (1) California real estate salesperson license and (2) California real estate broker license. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54



# VRE151
**Fundamentals of Escrow**
This course covers the principles and current practices of the escrow process in California. Topics include terminology, documentation, escrow instructions, encumbrances, interest adjustments, reconveyance, mortgages, insurance, taxes, and fees, other processing details pertinent to the handling of an escrow from inception to closing including fiduciary and ethical responsibilities. This course is one of the elective courses for the real estate salesperson or broker license requirement as set forth by the California Bureau of Real Estate (BRE).
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE153
**Real Estate License Preparation**
Real estate licensure preparation. Fundamental information regarding the practice of real estate with an emphasis on real estate law, principles, practice, and other topics covered in the state licensure examination. An important preparation for those intending to take the California real estate salesperson s or broker s license examination. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# VRE155
**Real Estate the Ethical Way**
Familiarizes students, as future or current real estate professionals, with the Realtor(TM) Code of Ethics. Provides examples of ethically challenging situations in real estate transactions and daily work. Examines duties and responsibilities. Provides analytical strategies for ethical decision making.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

# VRE160
**Real Estate Employability Skills**
Students will enhance basic employability skills, workplace skills, interpersonal skills, communication skills, and leadership skills.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 18

# VRE171
**Real Estate Work Experience Education (WEE)**
Through a set of learning objectives established by the student, on-the-job supervisor and instructor, students will extend their classroom-based occupational learning by working at a job related to their major and to their occupational goal. 0.5 - 4 Units of Real Estate Work Experience Education/Career Internship require 54 hours equals one unit of course credit. Units may be awarded in increments of 0.5. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience education. Field trips may be required. Open Entry/Open Exit.
**Transferability:**
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54-216

## VOCATIONAL

# WKPR100
**Understanding Employees with Disabilities in the Workplace**
This is the first of two courses designed to assist employers in hiring and retaining employees who have a disability. This course provides an overview of the laws pertaining to disabilities in the workplace and how to distinguish different disabilities. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR101
**Basic Strategies for Working with Employees with Disabilities**
The second of two courses designed to assist employers in hiring and retaining employees who have a disability. This course focuses on supporting employees in communicating and collaborating with their co-workers who have a disability, to sustain an inclusive, productive, and rewarding work environment. Open Entry/Open Exit. Former Title: WKPR 101, Strategies for Working with Employees with Disabilities (Spring 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR500
**Workforce Readiness**
This course prepares students with workforce readiness skills for success in the 21st-century workplace. Students will strengthen communication, teamwork, leadership, and critical thinking while developing adaptability and professionalism. Workforce preparation includes resume and cover letter writing, interview techniques, exploring career opportunities, and setting career goals. Open Entry/Open Exit.
***Former Title:*** Vocational Business 012, Workforce Readiness (2018)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR501
**AI for Workforce Success**
This course helps students build AI and job readiness skills for success in the technology-driven workplace. Students will learn how to use artificial intelligence (AI) tools to write resumes and cover letters, prepare for interviews, and improve communication and teamwork. The course also focuses on 21st-century soft skills, including leadership, adaptability, and problem-solving. Students will use AI tools responsibly and effectively to tailor and streamline their employment materials. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR502
**Workforce Readiness for Healthcare Occupations**
This course prepares students for success in healthcare settings by developing essential soft skills, front-office competencies, and job-readiness skills. Students build communication, teamwork, professionalism, and problem-solving abilities common in clinics and care facilities. The course includes cultural sensitivity in patient interactions, workplace communication, and job readiness topics such as resumes, interviews, and professional online presence. Students will demonstrate professionalism, empathy, confidentiality, and adaptability in the healthcare environment. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR503
**Real Estate Terminology**
This course prepares students for real estate courses by developing their understanding and use of real estate terminology. Common terms, legal language, and core concepts related to real estate transactions are introduced with a focus on comprehension and application in context. Vocabulary strategies such as context clues, word parts, cognates, and synonyms are integrated to support understanding of unfamiliar terms and interpretation of real estate language used in coursework and licensing exam questions. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR504
**CNA Test Preparation**
This course helps learners prepare for the California Certified Nursing Assistant exam. Students practice test-taking and reading strategies needed for the written exam. The course focuses on understanding test questions, including longer questions and common test phrases. Students build test-taking skills through guided practice and sample CNA-style questions. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

# WKPR508
**AI for Daily Life and Work**
This course introduces adult learners to the practical and responsible use of artificial intelligence (AI) in daily life and work. Students learn what AI is, how it functions, and how it affects modern communication, organization, health, finances, and workplace productivity. Through guided practice, students will use AI tools to set personal goals, manage time, track wellness, and plan finances. The course emphasizes ethical and safe AI use while helping learners develop digital confidence for lifelong learning and career readiness.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR510
**Online Learning Skills 1**
Prepares learners to develop basic digital literacy skills for remote learning, completing tasks in an LMS, navigating the college website, and using Zoom for virtual classes. These skills provide a foundation for success in remote learning and workplace environments requiring digital literacy skills. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# WKPR511
**Online Learning Skills 2**
This course builds on basic digital literacy skills and introduces more advanced tasks to support remote learning. Students will learn to upload files and images, use media tools, and navigate advanced features in the learning management system (LMS, e.g., Canvas). These skills build students ability to succeed in online courses and digital workplace environments.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# WKPR512
**Introduction to Healthcare Occupations**
This course introduces students to various entry-level and professional healthcare occupations. Students will learn about the duties, responsibilities, and local regional earnings of healthcare professionals, including cardiovascular technologists, dental assistants, emergency medical technicians, health information technicians, medical records technicians, medical assistants, nurses, nurse assistants, pharmacy technicians, and phlebotomists. Emphasis is placed on understanding

the skills and certifications required for each position. The course also explores pathway programs in local academic institutions. Open Entry/ Open Exit.
***Former Title:*** VMED 050, Introduction to Healthcare Occupations (Fall 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 60

# WKPR513
**Group Dynamics**
Students will explore how people interact and function within groups. Topics emphasize effective communication, trust, and shared experiences in group settings. Areas of exploration include motivation, power and conflict, purpose and meaning in groups, teamwork, and how groups function to meet individual and collective needs. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 48

# WKPR514
**Leadership Skills**
This course examines leadership across individuals, teams, and programs, with an emphasis on empowering others and supporting organizational effectiveness. Topics include leadership roles, management approaches for working with people and groups, the influence of leaders, and the relationship between organizational culture and overall effectiveness. The course also explores self-awareness in leadership development,focusing on how personal strengths, talents, and experiences shape leadership practice. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 48

# WKPR515
**Basics of Group Communication Skills**
This course introduces the basics of interpersonal communication with a focus on skills used to guide and support small group discussions. Participants explore verbal and nonverbal communication, culturally responsive communication practices, empathic listening, and open and closed-ended questions. Through individual activities, group practice, role-plays, and supervised real-world scenarios, learners practice communication strategies that support effective participation and collaboration in small group settings. The course will be offered in both English and an additional language to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 48

# WKPR600
**Positive Attitudes for Success**
Provides students with opportunities to discuss and reflect on discovering and accepting responsibility for attitudes and behaviors (past, present, and future), and on making choices based on principles that influence success in their personal, educational, and career development. Students will explore how to let go of past behaviors that limit growth, develop healthy ways to manage inner conflict, and practice self-acceptance, kindness, and positive communication as tools for personal transformation. Open Entry/Open Exit.
***Former Title:*** WKPR 600, Attitudes for Success (Fall 2025)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 54

# WKPR601
**Money Matters**
Prepares the student for the world of financial management by developing sound decision-making skills in personal and household money matters. Open Entry/Open Exit. Previous Title: Adult Basic Education 010, Money Matters: Financial Literacy (2018)
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 36

# WKPR603
**Anger Management**
Provides instruction and discussion on the following components: group anger management treatment, understanding anger, plan for controlling anger, how to change the cycle, cognitive restructuring, alternatives for expressing anger, anger and the family, and relapse prevention. Includes varied strategies for problem solving, effective communication, positive recovery and the effects on the person as a whole. Open entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 32

# WKPR605
**Basic Construction Industry**
This course introduces students to the foundational understanding of the construction industry and the wide range of career opportunities it offers. The course includes the history of construction, modern practices, workforce needs, career outlook, apprentice options, skills required for success as a craft professional, and career pathways into construction occupations. Students explore the benefits of construction careers, typical career progression for craft professionals, and educational and apprenticeship opportunities. In this course, students also develop foundational employability skills, communication skills, and teamwork skills necessary for success in construction workplace environments. Students learn, practice, and develop professional skills to demonstrate professionalism, punctuality, accountability, and reliability. Students engage in activities that build confidence, industry awareness, and readiness for entry-level training or further study. The course supports learners of all backgrounds in developing foundational skills that promote safety, accuracy, and professionalism on the job site. This course meets the hour requirements for the National Center for Construction Education and Research (NCCER) credentials. The course may be offered in both English and an additional language to ensure accessibility and inclusivity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR606

**Basic Construction Drawings**

This course introduces students to the essential knowledge and applied skills required to read, interpret, and use construction drawings. Students develop foundational blueprint-reading competencies by working with real residential construction plans and learning to interpret drawing components, scales, symbols, specifications, and measurements. Through guided practice, students increase their understanding of how construction information is communicated visually, preparing them for further technical training and success across a variety of construction trades. The course supports learners of all backgrounds in developing foundational skills that promote safety, accuracy, and professionalism on the job site. The course may be offered in both English and an additional language to ensure accessibility and inclusivity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 24

# WKPR607

**Basic Construction Site Safety**

This course introduces students to essential safety principles and practices used in construction and industrial environments. Students learn how to recognize common job-site hazards, follow safe work procedures, and properly inspect and use personal protective equipment and other safety gear. The course covers safety practices related to elevated work, hazardous energy, and a range of environmental and operational risks encountered on active job sites. Students practice and demonstrate safety awareness, proper safe construction attire, and personal protective equipment. Through demonstrations, guided practice, and scenario-based activities, students build the knowledge and applied skills needed to contribute to a safe and responsible workplace. The course supports learners of all backgrounds in developing foundational skills that promote safety, accuracy, and professionalism on the job site. The course may be offered in both English and an additional language to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# WKPR608

**Basic Construction Math**

This course introduces students to practical mathematical skills used every day across the construction trades. Through real-world examples from plumbing, carpentry, HVAC, and other specialties, students learn how measurement, geometry, ratios, and basic algebra support accurate planning and installation on the job site. In this course, students interpret construction drawings, perform trade-specific calculations, and apply math to solve common field problems. Students develop practical skills through hands-on activities that mirror authentic workplace tasks, preparing them for further technical training and success in a wide range of construction careers. The course may be offered in both English and an additional language to ensure accessibility and inclusivity. Open Entry / Open Exit.
**Transferability:** Not transferable
**Entrance Skills:** None
**Limitations on Enrollment:**
**Lecture Hours:** 40

# APPRENTICESHIP PROGRAMS

## CARPENTRY - APPRENTICESHIP

### Apprenticeship Carpentry, Acoustical Installer, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Acoustical Installer provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Acoustical Installer, AS (Total Credits 25.5 - 26.0)
All of the following

***Major requirements: (Total Credits 19.5 - 19.5)***
The following number of Credits
- ACA061A Acoustical Ceilings (Total Credits 1.5 - 1.5)
- ACA062 Standard Acoustical Grids (Total Credits 1.5 - 1.5)
- ACA063 Suspended Ceilings (Total Credits 1.5 - 1.5)
- ACA064 Acoustical Soffits (Total Credits 1.5 - 1.5)
- ACA066 Concealed/Glue-Up/Staple-Up Systems (Total Credits 1.5 - 1.5)
- ACA067 Designer and Specialty Trims (Total Credits 1.5 - 1.5)
- ACA068 Metal Pan and Security Systems (Total Credits 1.5 - 1.5)
- ACA071A Orientation (Total Credits 2.0 - 2.0)
- ACA071B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA071C Tool/Equipment Applications (Total Credits 1.5 - 1.5)
- ACA074A Print Reading (Total Credits 2.0 - 2.0)
- ACA079A Drywall/Acoustical Ceilings (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 6.5)**
The following number of Credits
- ACA061B Advanced Acoustical Ceiling Layout (Total Credits 1.5 - 1.5)
- ACA061C Advanced Acoustical Ceiling Installation (Total Credits 1.5 - 1.5)
- ACA065 Prefab/Sound Panels (Total Credits 1.5 - 1.5)
- ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
- ACA073C Framing Curves and Arches (Total Credits 1.5 - 1.5)
- ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
- ACA083 Door/Door Frames (Total Credits 1.5 - 1.5)

**Control Number:** 31107

### Apprenticeship Carpentry, Acoustical Installer, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Acoustical Installer provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Acoustical Installer, CA (Total Credits 25.5 - 26.0)
All of the following

***Certificate requirements: (Total Credits 19.5 - 19.5)***
The following number of Credits
- ACA061A Acoustical Ceilings (Total Credits 1.5 - 1.5)
- ACA062 Standard Acoustical Grids (Total Credits 1.5 - 1.5)
- ACA063 Suspended Ceilings (Total Credits 1.5 - 1.5)
- ACA064 Acoustical Soffits (Total Credits 1.5 - 1.5)
- ACA066 Concealed/Glue-Up/Staple-Up Systems (Total Credits 1.5 - 1.5)
- ACA067 Designer and Specialty Trims (Total Credits 1.5 - 1.5)
- ACA068 Metal Pan and Security Systems (Total Credits 1.5 - 1.5)
- ACA071A Orientation (Total Credits 2.0 - 2.0)
- ACA071B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA071C Tool/Equipment Applications (Total Credits 1.5 - 1.5)
- ACA074A Print Reading (Total Credits 2.0 - 2.0)
- ACA079A Drywall/Acoustical Ceilings (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 6.5)**
The following number of Credits
- ACA061B Advanced Acoustical Ceiling Layout (Total Credits 1.5 - 1.5)
- ACA061C Advanced Acoustical Ceiling Installation (Total Credits 1.5 - 1.5)
- ACA065 Prefab/Sound Panels (Total Credits 1.5 - 1.5)
- ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
- ACA073C Framing Curves and Arches (Total Credits 1.5 - 1.5)
- ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
- ACA083 Door/Door Frames (Total Credits 1.5 - 1.5)

**Control Number:** 31109

### Apprenticeship Carpentry, Concrete, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Concrete is designed to provide the related and supplemental instruction required for carpentry apprentices. Concrete finishers place and finish concrete floors, driveways, sidewalks, curbs, bridge decks and other concrete structures. They apply architectural exposed, patterned or stamped, broomed and smooth finishes on concrete surfaces. They are skilled at repairing, waterproofing and restoring concrete surfaces. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Concrete, AS (Total Credits 25.5 - 26.5)
All of the following

***Major requirements: (Total Credits 19.5 - 19.5)***
The following number of Credits
- ACA004C Print Reading (Total Credits 2.0 - 2.0)
- ACA021A Orientation (Total Credits 2.0 - 2.0)
- ACA021B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA021E Tool/Equipment Applications (Total Credits 1.5 - 1.5)
- ACA025A Foundations and Flatwork (Total Credits 1.5 - 1.5)
- ACA026A Tilt-Up Panel Construction (Total Credits 1.5 - 1.5)
- ACA026B Wall Forming (Total Credits 1.5 - 1.5)
- ACA026C Gang Forms/Columns (Total Credits 1.5 - 1.5)
- ACA026D Abutments (Total Credits 1.5 - 1.5)
- ACA027C Beam and Deck Forming (Total Credits 1.5 - 1.5)
- ACA027D Stairs and Ramp Forming (Total Credits 1.5 - 1.5)
- ACA028A Bridge Construction (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 7.0)**
The following number of Credits
- ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)

ACA022A Commercial Floor Framing (Total Credits 1.5 - 1.5)
ACA023B Basic Roof Framing (Total Credits 1.5 - 1.5)
ACA024A Basic Commercial Framing (Total Credits 1.5 - 1.5)
ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
ACA025D Advanced Print Reading (Total Credits 2.0 - 2.0)
ACA028E Bridge Falsework (Total Credits 1.5 - 1.5)
ACA029A Rigging (Total Credits 1.5 - 1.5)
ACA029C Solar Installer Level I (Total Credits 1.5 - 1.5)
ACA095 Water Treatment Facilities (Total Credits 1.5 - 1.5)

**Control Number:** 13235

# Apprenticeship Carpentry, Concrete, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Concrete is designed to provide the related and supplemental instruction required for carpentry apprentices. Concrete finishers place and finish concrete floors, driveways, sidewalks, curbs, bridge decks and other concrete structures. They apply architectural exposed, patterned or stamped, broomed and smooth finishes on concrete surfaces. They are skilled at repairing, waterproofing and restoring concrete surfaces. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Concrete, CA (Total Credits 25.5 - 26.5)
All of the following

***Certificate requirements: (Total Credits 19.5 - 19.5)***

The following number of Credits
ACA004C Print Reading (Total Credits 2.0 - 2.0)
ACA021A Orientation (Total Credits 2.0 - 2.0)
ACA021B Safety and Health Certifications (Total Credits 2.0 - 2.0)
ACA021E Tool/Equipment Applications (Total Credits 1.5 - 1.5)
ACA025A Foundations and Flatwork (Total Credits 1.5 - 1.5)
ACA026A Tilt-Up Panel Construction (Total Credits 1.5 - 1.5)
ACA026B Wall Forming (Total Credits 1.5 - 1.5)
ACA026C Gang Forms/Columns (Total Credits 1.5 - 1.5)
ACA026D Abutments (Total Credits 1.5 - 1.5)
ACA027C Beam and Deck Forming (Total Credits 1.5 - 1.5)
ACA027D Stairs and Ramp Forming (Total Credits 1.5 - 1.5)
ACA028A Bridge Construction (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 7.0)**

The following number of Credits
ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
ACA022A Commercial Floor Framing (Total Credits 1.5 - 1.5)
ACA023B Basic Roof Framing (Total Credits 1.5 - 1.5)
ACA024A Basic Commercial Framing (Total Credits 1.5 - 1.5)
ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
ACA025D Advanced Print Reading (Total Credits 2.0 - 2.0)
ACA028E Bridge Falsework (Total Credits 1.5 - 1.5)
ACA029A Rigging (Total Credits 1.5 - 1.5)
ACA029C Solar Installer Level I (Total Credits 1.5 - 1.5)
ACA095 Water Treatment Facilities (Total Credits 1.5 - 1.5)

**Control Number:** 21657

# Apprenticeship Carpentry, Drywall Finisher, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Drywall Finisher is designed to provide related and supplemental instruction including the technical skills required in the trade. Successful completion may result in journeyworker status. Interested apprentices should contact the Western State Carpenters and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Drywall Finisher, AS (Total Credits 24.0 - 26.0)
All of the following

***Major courses: Choose 16 courses from the following list of courses: (Total Credits 24.0 - 26.0)***

The following number of Credits
ACA071A Orientation (Total Credits 2.0 - 2.0)
ACA071B Safety and Health (Total Credits 2.0 - 2.0)
ACA071C Tool and Equipment Applications (Total Credits 1.5 - 1.5)
ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
ACA074A Printreading (Total Credits 2.0 - 2.0)
ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
ACA074C Air Moisture and Barrier Installation (Total Credits 1.5 - 1.5)
ACA076A Basic Hand Finishing (Total Credits 1.5 - 1.5)
ACA076B Automatic Finishing Tools (Total Credits 1.5 - 1.5)
ACA077A Drywall Installation-Finish Trims (Total Credits 1.5 - 1.5)
ACA077B Advanced Hand Finishing (Total Credits 1.5 - 1.5)
ACA077C Advanced Automatic Finishing Tools (Total Credits 1.5 - 1.5)
ACA078C Wet Wall Finishes (Total Credits 1.5 - 1.5)
ACA078D Ceiling and Soffit Finishing (Total Credits 1.5 - 1.5)
ACA079C Drywall Applications (Total Credits 1.5 - 1.5)
ACA082C Decorative Trims and Textures (Total Credits 1.5 - 1.5)
ACA091 Drywall Repair and Finishing (Total Credits 1.5 - 1.5)
ACA092 Machine and Hand Applied Textures (Total Credits 1.5 - 1.5)

**Control Number:** 13234

# Apprenticeship Carpentry, Drywall Finisher, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Drywall Finisher is designed to provide related and supplemental instruction including the technical skills required in the trade. Successful completion may result in journeyworker status. Interested apprentices should contact the Western State Carpenters and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Drywall Finisher, CA (Total Credits 24.0 - 26.0)
All of the following

***Major courses: Choose 16 courses from the following list of courses: (Total 24-26) (Total Credits 24.0 - 26.0)***

The following number of Credits
ACA071A Orientation (Total Credits 2.0 - 2.0)
ACA071B Safety and Health (Total Credits 2.0 - 2.0)
ACA071C Tool and Equipment Applications (Total Credits 1.5 - 1.5)
ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
ACA074A Printreading (Total Credits 2.0 - 2.0)
ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
ACA074C Air Moisture and Barrier Installation (Total Credits 1.5 - 1.5)
ACA076A Basic Hand Finishing (Total Credits 1.5 - 1.5)
ACA076B Automatic Finishing Tools (Total Credits 1.5 - 1.5)
ACA077A Drywall Installation-Finish Trims (Total Credits 1.5 - 1.5)
ACA077B Advanced Hand Finishing (Total Credits 1.5 - 1.5)
ACA077C Advanced Automatic Finishing Tools (Total Credits 1.5 - 1.5)
ACA078C Wet Wall Finishes (Total Credits 1.5 - 1.5)
ACA078D Ceiling and Soffit Finishing (Total Credits 1.5 - 1.5)
ACA079C Drywall Applications (Total Credits 1.5 - 1.5)
ACA082C Decorative Trims and Textures (Total Credits 1.5 - 1.5)
ACA091 Drywall Repair and Finishing (Total Credits 1.5 - 1.5)
ACA092 Machine and Hand Applied Textures (Total Credits 1.5 - 1.5)

**Control Number:** 21663

# Apprenticeship Carpentry, Drywall/Lather (Interior Systems), AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Drywall/Lather provides the related and supplemental instruction required for interior systems apprentices. Drywall/Lathers install metal stud framing, drywall, and lath according to layout plans, blueprints, and specifications. They frame and construct walls and ceilings to the necessary height and dimensions, and complete the construction for the interior/exterior of a building including the heavy gage framing and application for the exterior of the project. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Drywall/Lather (Interior Systems), AS (Total Credits 24.0 - 26.0)

All of the following

***Major courses: Choose 16 courses from the following list of courses: (Total Credits 24.0 - 26.0)***

The following number of Credits

ACA071A Orientation (Total Credits 2.0 - 2.0)
ACA071B Safety and Health (Total Credits 2.0 - 2.0)
ACA071C Tool and Equipment Applications (Total Credits 1.5 - 1.5)
ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
ACA072B Basic Lathing (Total Credits 1.5 - 1.5)
ACA072C Advanced Lathing (Total Credits 1.5 - 1.5)
ACA073A Framing Ceilings and Soffits (Total Credits 1.5 - 1.5)
ACA073B Framing Suspended Ceilings (Total Credits 1.5 - 1.5)
ACA073C Framing Curves and Arches (Total Credits 1.5 - 1.5)
ACA074A Printreading (Total Credits 2.0 - 2.0)
ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
ACA075A Light Gage Welding AWS - A (Total Credits 1.5 - 1.5)
ACA075C Light Gage Welding AWS - B (Total Credits 1.5 - 1.5)
ACA078B Advanced Metal Framing (Total Credits 1.5 - 1.5)
ACA079A Drywall and Acoustical Ceilings (Total Credits 1.5 - 1.5)
ACA079C Drywall Applications (Total Credits 1.5 - 1.5)
ACA086A Exterior Insulation Finish Systems (Total Credits 1.5 - 1.5)
ACA089 Freeform Lathing (Total Credits 1.5 - 1.5)
ACA083 Door and Door Frames (Total Credits 1.5 - 1.5)
ACA096 Building Envelope Principles (Total Credits 1.5 - 1.5)
ACA097 Exterior Metal Frame (Total Credits 1.5 - 1.5)

**Control Number:** 11988

# Apprenticeship Carpentry, Drywall/Lather (Interior Systems), CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Drywall/Lather provides the related and supplemental instruction required for interior systems apprentices. Drywall/Lathers install metal stud framing, drywall, and lath according to layout plans, blueprints, and specifications. They frame and construct walls and ceilings to the necessary height and dimensions, and complete the construction for the interior/exterior of a building including the heavy gage framing and application for the exterior of the project. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Drywall/Lather (Interior Systems), CA (Total Credits 24.0 - 26.0)

All of the following

***Certificate courses: Choose 16 courses from the following list: (Total Credits 24.0 - 26.0)***

The following number of Credits

ACA071A Orientation (Total Credits 2.0 - 2.0)
ACA071B Safety and Health (Total Credits 2.0 - 2.0)
ACA071C Tool and Equipment Applications (Total Credits 1.5 - 1.5)
ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
ACA072B Basic Lathing (Total Credits 1.5 - 1.5)
ACA072C Advanced Lathing (Total Credits 1.5 - 1.5)
ACA073A Framing Ceilings and Soffits (Total Credits 1.5 - 1.5)
ACA073B Framing Suspended Ceilings (Total Credits 1.5 - 1.5)
ACA073C Framing Curves and Arches (Total Credits 1.5 - 1.5)
ACA074A Printreading (Total Credits 2.0 - 2.0)
ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
ACA075A Light Gage Welding AWS - A (Total Credits 1.5 - 1.5)
ACA075C Light Gage Welding AWS - B (Total Credits 1.5 - 1.5)
ACA078B Advanced Metal Framing (Total Credits 1.5 - 1.5)
ACA079A Drywall and Acoustical Ceilings (Total Credits 1.5 - 1.5)
ACA079C Drywall Applications (Total Credits 1.5 - 1.5)
ACA083 Door and Door Frames (Total Credits 1.5 - 1.5)
ACA086A Exterior Insulation Finish Systems (Total Credits 0.0 - 0.0)
ACA089 Freeform Lathing (Total Credits 1.5 - 1.5)
ACA096 Building Envelope Principles (Total Credits 0.0 - 0.0)
ACA097 Exterior Metal Frame (Total Credits 0.0 - 0.0)

**Control Number:** 21664

# Apprenticeship Carpentry, Finish Carpentry, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Finish Carpentry provides the related and supplemental instruction required in the trade. Finish carpenters cut, shape and assemble wood products, including moldings, panels and furniture. They also fabricate store fixtures, which includes the use of metal, plastics, and glass. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Finish Carpentry, AS (Total Credits 25.0 - 25.0)

The following number of Credits

ACA004C Print Reading (Total Credits 2.0 - 2.0)
ACA021A Orientation (Total Credits 2.0 - 2.0)
ACA021B Safety and Health Certifications (Total Credits 2.0 - 2.0)
ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
ACA025D Advanced Print Reading (Total Credits 2.0 - 2.0)
ACA033A Cabinet Millwork and Assembly (Total Credits 1.5 - 1.5)
ACA033B Cabinet Installation (Total Credits 1.5 - 1.5)
ACA033C Show Case/Loose Store Fixtures (Total Credits 1.5 - 1.5)
ACA033D Molding and Trims (Total Credits 1.5 - 1.5)
ACA034A Plastic Laminates (Total Credits 1.5 - 1.5)
ACA034B Solid and Stone Surfaces (Total Credits 1.5 - 1.5)
ACA034C Stair Trim (Total Credits 1.5 - 1.5)
ACA034D Doors and Door Hardware (Total Credits 1.5 - 1.5)
ACA035C Exit and Electrical Security Devices (Total Credits 1.5 - 1.5)

**Control Number:** 13231

# Apprenticeship Carpentry, Finish Carpentry, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Finish Carpentry provides the related and supplemental instruction required in the trade. Finish carpenters cut, shape and assemble wood products, including moldings, panels and furniture. They also fabricate store fixtures, which includes the use of metal, plastics, and glass. Successful completion will result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Finish Carpentry, CA (Total Credits 25.0 - 25.0)

The following number of Credits

- ACA004C Print Reading (Total Credits 2.0 - 2.0)
- ACA021A Orientation (Total Credits 2.0 - 2.0)
- ACA021B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
- ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
- ACA025D Advanced Print Reading (Total Credits 2.0 - 2.0)
- ACA033A Cabinet Millwork and Assembly (Total Credits 1.5 - 1.5)
- ACA033B Cabinet Installation (Total Credits 1.5 - 1.5)
- ACA033C Show Case/Loose Store Fixtures (Total Credits 1.5 - 1.5)
- ACA033D Molding and Trims (Total Credits 1.5 - 1.5)
- ACA034A Plastic Laminates (Total Credits 1.5 - 1.5)
- ACA034B Solid and Stone Surfaces (Total Credits 1.5 - 1.5)
- ACA034C Stair Trim (Total Credits 1.5 - 1.5)
- ACA034D Doors and Door Hardware (Total Credits 1.5 - 1.5)
- ACA035C Exit and Electrical Security Devices (Total Credits 1.5 - 1.5)

**Control Number:** 21658

# Apprenticeship Carpentry, Framing, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Framing provides related and supplemental instruction including the technical skills and knowledge required in the trade. Framers work primarily on residential sites installing floor joists, interior and exterior walls, and roof trusses. They may also install exterior doors and windows, cornices, outside wall trim, and roof coverings. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Framing, AS (Total Credits 25.5 - 26.5)

All of the following

***Major requirements: (Total Credits 19.5 - 19.5)***

The following number of Credits

- ACA004C Print Reading (Total Credits 2.0 - 2.0)
- ACA021A Orientation (Total Credits 2.0 - 2.0)
- ACA021B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
- ACA021E Tool/Equipment Applications (Total Credits 1.5 - 1.5)
- ACA022A Commercial Floor Framing (Total Credits 1.5 - 1.5)
- ACA022B Basic Stairs (Total Credits 1.5 - 1.5)
- ACA022D Exterior Finish Details (Total Credits 1.5 - 1.5)
- ACA023B Basic Roof Framing (Total Credits 1.5 - 1.5)
- ACA024A Basic Commercial Framing (Total Credits 1.5 - 1.5)
- ACA024B Advanced Commercial Framing (Total Credits 1.5 - 1.5)
- ACA025C Advanced Stairs (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 7.0)**

The following number of Credits

- ACA023C Advanced Roof Framing (Total Credits 1.5 - 1.5)
- ACA024C Panelized Roofing (Total Credits 1.5 - 1.5)
- ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
- ACA025D Advanced Print Reading (Total Credits 2.0 - 2.0)
- ACA026B Wall Forming (Total Credits 1.5 - 1.5)
- ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)

**Control Number:** 13232

# Apprenticeship Carpentry, Framing, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Framing provides related and supplemental instruction including the technical skills and knowledge required in the trade. Framers work primarily on residential sites installing floor joists, interior and exterior walls, and roof trusses. They may also install exterior doors and windows, cornices, outside wall trim, and roof coverings. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Framing, CA (Total Credits 25.5 - 26.5)

All of the following

***Certificate requirements: (Total Credits 19.5 - 19.5)***

The following number of Credits

- ACA004C Print Reading (Total Credits 2.0 - 2.0)
- ACA021A Orientation (Total Credits 2.0 - 2.0)
- ACA021B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
- ACA021E Tool/Equipment Applications (Total Credits 1.5 - 1.5)
- ACA022A Commercial Floor Framing (Total Credits 1.5 - 1.5)
- ACA022B Basic Stairs (Total Credits 1.5 - 1.5)
- ACA022D Exterior Finish Details (Total Credits 1.5 - 1.5)
- ACA023B Basic Roof Framing (Total Credits 1.5 - 1.5)
- ACA024A Basic Commercial Framing (Total Credits 1.5 - 1.5)
- ACA024B Advanced Commercial Framing (Total Credits 1.5 - 1.5)
- ACA025C Advanced Stairs (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 7.0)**

The following number of Credits

- ACA023C Advanced Roof Framing (Total Credits 1.5 - 1.5)
- ACA024C Panelized Roofing (Total Credits 1.5 - 1.5)
- ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
- ACA025D Advanced Print Reading (Total Credits 2.0 - 2.0)
- ACA026B Wall Forming (Total Credits 1.5 - 1.5)
- ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)

**Control Number:** 21659

# Apprenticeship Carpentry, General Carpenter, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship General Carpentry provides the related and supplemental instruction required for the General Carpenters Apprentices. Finish Carpentry, concrete and wood framing according to the layout plans, blueprints and specifications, they install, form and frame by the plans and complete the construction for the interior/exterior of the building including footing, foundation wood framing and finish products application of the project. Successful completion

may result in journey worker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.
**Program Rules:** Apprenticeship Carpentry, General Carpenter, AS (Total Credits 24.0 - 26.0)
All of the following
***Major courses: Choose 16 courses from the following list of courses:*** (Total Credits 24.0 - 26.0)
The following number of Credits
ACA005 Mass Timber Framing (Total Credits 1.5 - 1.5)
ACA021A Orientation (Total Credits 2.0 - 2.0)
ACA021B Safety and Health (Total Credits 2.0 - 2.0)
ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
ACA021E Tool/Equipment Applications (Total Credits 1.5 - 1.5)
ACA022A Commercial Floor Framing (Total Credits 1.5 - 1.5)
ACA022B Basic Stairs (Total Credits 1.5 - 1.5)
ACA022D Exterior Finish Details (Total Credits 1.5 - 1.5)
ACA023B Basic Roof Framing (Total Credits 1.5 - 1.5)
ACA023C Advanced Roof Framing (Total Credits 1.5 - 1.5)
ACA024A Basic Commercial Framing (Total Credits 1.5 - 1.5)
ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
ACA025A Foundations and Flatwork (Total Credits 1.5 - 1.5)
ACA025C Advanced Stairs (Total Credits 1.5 - 1.5)
ACA025D Advanced Print Reading (Total Credits 1.5 - 1.5)
ACA026A Tilt-Up Panel Construction (Total Credits 1.5 - 1.5)
ACA026B Wall Forming (Total Credits 1.5 - 1.5)
ACA026C Gang Forms and Columns (Total Credits 1.5 - 1.5)
ACA026D Abutments (Total Credits 1.5 - 1.5)
ACA027C Beam and Deck Forming (Total Credits 1.5 - 1.5)
ACA027D Stairs and Ramp Forming (Total Credits 1.5 - 1.5)
ACA028A Bridge Construction (Total Credits 1.5 - 1.5)
ACA033A Cabinet Millwork and Assembly (Total Credits 1.5 - 1.5)
ACA033B Cabinet Installation (Total Credits 1.5 - 1.5)
ACA033D Molding and Trims (Total Credits 1.5 - 1.5)
ACA034A Plastic Laminates (Total Credits 1.5 - 1.5)
ACA034D Doors and Door Hardware (Total Credits 1.5 - 1.5)
ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
ACA074A Printreading (Total Credits 2.0 - 2.0)
**Control Number:** 45579

## Apprenticeship Carpentry, General Carpenter, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship General Carpentry provides the related and supplemental instruction required for the General Carpenters Apprentices. Finish Carpentry, concrete and wood framing according to the layout plans, blueprints and specifications, they install, form and frame by the plans and complete the construction for the interior/exterior of the building including footing, foundation wood framing and finish products application of the project. Successful completion may result in journey worker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College
**Program Rules:** Apprenticeship Carpentry, General Carpenter, CA (Total Credits 24.0 - 26.0)
All of the following
***Certificate courses: Choose 16 courses from the following list: (Total Credits 24.0 - 26.0)***
The following number of Credits
ACA005 Mass Timber Framing (Total Credits 1.5 - 1.5)
ACA021A Orientation (Total Credits 2.0 - 2.0)
ACA021B Safety and Health (Total Credits 2.0 - 2.0)
ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
ACA021E Tool/Equipment Applications (Total Credits 1.5 - 1.5)
ACA022A Commercial Floor Framing (Total Credits 1.5 - 1.5)
ACA022B Basic Stairs (Total Credits 1.5 - 1.5)
ACA022D Exterior Finish Details (Total Credits 1.5 - 1.5)
ACA023B Basic Roof Framing (Total Credits 1.5 - 1.5)
ACA023C Advanced Roof Framing (Total Credits 1.5 - 1.5)
ACA024A Basic Commercial Framing (Total Credits 1.5 - 1.5)
ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
ACA025A Foundations and Flatwork (Total Credits 1.5 - 1.5)
ACA025D Advanced Print Reading (Total Credits 1.5 - 1.5)
ACA025C Advanced Stairs (Total Credits 1.5 - 1.5)
ACA026A Tilt-Up Panel Construction (Total Credits 1.5 - 1.5)
ACA026B Wall Forming (Total Credits 1.5 - 1.5)
ACA026C Gang Forms and Columns (Total Credits 1.5 - 1.5)
ACA026D Abutments (Total Credits 1.5 - 1.5)
ACA027C Beam and Deck Forming (Total Credits 1.5 - 1.5)
ACA027D Stairs and Ramp Forming (Total Credits 1.5 - 1.5)
ACA028A Bridge Construction (Total Credits 1.5 - 1.5)
ACA033A Cabinet Millwork and Assembly (Total Credits 1.5 - 1.5)
ACA033B Cabinet Installation (Total Credits 1.5 - 1.5)
ACA033D Molding and Trims (Total Credits 1.5 - 1.5)
ACA034D Doors and Door Hardware (Total Credits 1.5 - 1.5)
ACA034A Plastic Laminates (Total Credits 1.5 - 1.5)
ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
ACA074A Printreading (Total Credits 2.0 - 2.0)
**Control Number:** 45580

## Apprenticeship Carpentry, Insulator, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Insulator provides the highest quality training to those interested in a career in the various carpentry fields. This training offers a pathway to career opportunities for the next generation of insulators to meet the challenges of the rapidly changing technology in our industry, while achieving broadly marketable skills.
**Program Rules:** Apprenticeship Carpentry, Insulator, AS (Total Credits 25.5 - 27.0)
All of the following
***Major requirements: (Total Credits 19.5 - 19.5)***
The following number of Credits
AIN021 Orientation (Total Credits 2.0 - 2.0)
AIN022 Safety and Health Certifications (Total Credits 2.0 - 2.0)
AIN023 Insulation Basics (Total Credits 1.5 - 1.5)
AIN024 Construction Methods (Total Credits 1.5 - 1.5)
AIN025A Print Reading (Total Credits 2.0 - 2.0)
AIN026 Sound Control and Weatherstripping (Total Credits 1.5 - 1.5)
AIN027 Flexible Foam Insulation (Total Credits 1.5 - 1.5)
AIN034 Firestop/Fireproofing Procedures (Total Credits 1.5 - 1.5)
AIN035 Infiltration and Moisture Control (Total Credits 1.5 - 1.5)
AIN036 Loose Fill and Spray Insulation (Total Credits 1.5 - 1.5)
AIN037 Rigid Foam and Cellular Glass Insulation Installations (Total Credits 1.5 - 1.5)
AIN043 Tool/Equipment Applications (Total Credits 1.5 - 1.5)
**Select four (4) courses from the following: (Total Credits 6.0 - 7.5)**
The following number of Credits
ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
AIN025B Advanced Print Reading (Total Credits 2.0 - 2.0)
AIN031 Green Building and Weatherization (Total Credits 1.5 - 1.5)
AIN032 Specialty Insulation (Total Credits 1.5 - 1.5)
AIN033 Energy Audit (Total Credits 1.5 - 1.5)
AIN041 Supervisory Training (Total Credits 2.5 - 2.5)
**Control Number:** 35233

# Apprenticeship Carpentry, Insulator, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Insulator provides the highest quality training to those interested in a career in the various carpentry fields. This training offers a pathway to career opportunities for the next generation of insulators to meet the challenges of the rapidly changing technology in our industry, while achieving broadly marketable skills.

**Program Rules:** Apprenticeship Carpentry, Insulator, CA
(Total Credits 25.5 - 27.0)
All of the following

***Major requirements: (Total Credits 19.5 - 19.5)***

The following number of Credits
- AIN021 Orientation (Total Credits 2.0 - 2.0)
- AIN022 Safety and Health Certifications (Total Credits 2.0 - 2.0)
- AIN023 Insulation Basics (Total Credits 1.5 - 1.5)
- AIN024 Construction Methods (Total Credits 1.5 - 1.5)
- AIN025A Print Reading (Total Credits 2.0 - 2.0)
- AIN026 Sound Control and Weatherstripping (Total Credits 1.5 - 1.5)
- AIN027 Flexible Foam Insulation (Total Credits 1.5 - 1.5)
- AIN034 Firestop/Fireproofing Procedures (Total Credits 1.5 - 1.5)
- AIN035 Infiltration and Moisture Control (Total Credits 1.5 - 1.5)
- AIN036 Loose Fill and Spray Insulation (Total Credits 1.5 - 1.5)
- AIN037 Rigid Foam and Cellular Glass Insulation Installations (Total Credits 1.5 - 1.5)
- AIN043 Tool/Equipment Applications (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 7.5)**

The following number of Credits
- ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
- ACA072A Basic Metal Framing (Total Credits 1.5 - 1.5)
- AIN025B Advanced Print Reading (Total Credits 2.0 - 2.0)
- AIN031 Green Building and Weatherization (Total Credits 1.5 - 1.5)
- AIN032 Specialty Insulation (Total Credits 1.5 - 1.5)
- AIN033 Energy Audit (Total Credits 1.5 - 1.5)
- AIN041 Supervisory Training (Total Credits 2.5 - 2.5)

**Control Number:** 35234

# Apprenticeship Carpentry, Millwrighting, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry Millwrighting provide the required related and supplemental classroom instruction in the technical skills and knowledge required in the trade for state-indentured apprentices. The work of the Millwright involves installing conveyor systems, escalators, gas and steam turbines, and generators. Millwrights install and do maintenance on machinery in factories and do much of the precision work in nuclear power plants. Skilled construction Millwright mechanics study and interpret prints or working drawings, and then apply their knowledge and expertise to move, assemble, and erect machinery and rotating equipment. Interested apprentices should contact the Millwright Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Millwrighting, AS
(Total Credits 30.5 - 32.0)
All of the following

***Major courses: Choose 20 courses from the following list of courses: (Total Credits 30.5 - 32.0)***

The following number of Credits
- AMW021 Orientation (Total Credits 2.0 - 2.0)
- AMW022 Safety and Health (Total Credits 2.0 - 2.0)
- AMW023A General Skills (Total Credits 1.5 - 1.5)
- AMW024 Printreading (Total Credits 2.0 - 2.0)
- AMW025 Welding Fabrication (Total Credits 1.5 - 1.5)
- AMW026 Cutting and Burning (Total Credits 1.5 - 1.5)
- AMW027 Precision Optics (Total Credits 1.5 - 1.5)
- AMW029A Structural Welding A (Total Credits 1.5 - 1.5)
- AMW029B Structural Welding B (Total Credits 1.5 - 1.5)
- AMW031 Turbine Familiarization (Total Credits 1.5 - 1.5)
- AMW032 Pumps (Total Credits 1.5 - 1.5)
- AMW033 Conveyor Systems (Total Credits 1.5 - 1.5)
- AMW037 Gas Turbine (Total Credits 1.5 - 1.5)
- AMW039 Compressors (Total Credits 1.5 - 1.5)
- AMW041A Alignment A (Total Credits 1.5 - 1.5)
- AMW041B Alignment B (Total Credits 1.5 - 1.5)
- AMW042A Rigging A (Total Credits 2.0 - 2.0)
- AMW042B Rigging B (Total Credits 1.5 - 1.5)
- AMW043 Tool and Equipment Application (Total Credits 1.5 - 1.5)
- AMW044 Power Transmission Systems (Total Credits 1.5 - 1.5)
- AMW045 Machinery Tool Practices (Total Credits 1.5 - 1.5)
- AMW046 Introduction to Welding (Total Credits 1.5 - 1.5)
- AMW047 Steam Turbine (Total Credits 1.5 - 1.5)

**Control Number:** 11986

# Apprenticeship Carpentry, Millwrighting, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry Millwrighting provide the required related and supplemental classroom instruction in the technical skills and knowledge required in the trade for state-indentured apprentices. The work of the Millwright involves installing conveyor systems, escalators, gas and steam turbines, and generators. Millwrights install and do maintenance on machinery in factories and do much of the precision work in nuclear power plants. Skilled construction Millwright mechanics study and interpret prints or working drawings, and then apply their knowledge and expertise to move, assemble, and erect machinery and rotating equipment. Interested apprentices should contact the Millwright Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Millwrighting, CA
(Total Credits 30.5 - 32.0)
All of the following

***Certificate courses: Choose 16 courses from the following list: (Total Credits 30.5 - 32.0)***

The following number of Credits
- AMW021 Orientation (Total Credits 2.0 - 2.0)
- AMW022 Safety and Health (Total Credits 2.0 - 2.0)
- AMW023A General Skills (Total Credits 1.5 - 1.5)
- AMW024 Printreading (Total Credits 2.0 - 2.0)
- AMW025 Welding Fabrication (Total Credits 1.5 - 1.5)
- AMW026 Cutting and Burning (Total Credits 1.5 - 1.5)
- AMW027 Precision Optics (Total Credits 1.5 - 1.5)
- AMW029A Structural Welding A (Total Credits 1.5 - 1.5)
- AMW029B Structural Welding B (Total Credits 1.5 - 1.5)
- AMW031 Turbine Familiarization (Total Credits 1.5 - 1.5)
- AMW032 Pumps (Total Credits 1.5 - 1.5)
- AMW033 Conveyor Systems (Total Credits 1.5 - 1.5)
- AMW037 Gas Turbine (Total Credits 1.5 - 1.5)
- AMW039 Compressors (Total Credits 1.5 - 1.5)
- AMW041A Alignment A (Total Credits 1.5 - 1.5)

AMW041B Alignment B (Total Credits 1.5 - 1.5)
AMW042A Rigging A (Total Credits 2.0 - 2.0)
AMW042B Rigging B (Total Credits 1.5 - 1.5)
AMW043 Tool and Equipment Application (Total Credits 1.5 - 1.5)
AMW044 Power Transmission Systems (Total Credits 1.5 - 1.5)
AMW045 Machinery Tool Practices (Total Credits 1.5 - 1.5)
AMW046 Introduction to Welding (Total Credits 1.5 - 1.5)
AMW047 Steam Turbine (Total Credits 1.5 - 1.5)

**Control Number:** 21662

## Apprenticeship Carpentry, Pile Driver, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Pile Driver is designed to provide the required related and supplemental classroom instruction in the technical skills and knowledge required in the trade. Pile drivers work with pile-driving rigs--those big machines that look like cranes, but shake the ground as they drive metal, concrete or wood piling into the earth during the early stages of construction. Usually, pile drivers are the first workers at the construction site. They drive metal sheet piling to hold back the dirt during excavations. They drive concrete and metal piling as part of the foundation system upon which skyscrapers are built, and they drive wood and concrete piling to hold up docks, wharfs and bridges. In some cases they work on off-shore oil rigs and as commercial divers involved in underwater construction. Pile drivers are also required to install heavy timbers and weld or cut large metal beams. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Pile Driver, AS (Total Credits 24.0 - 25.5)
All of the following

***Major courses: Choose 16 courses from the following list of courses: (Total Credits 24.0 - 25.5)***

The following number of Credits
ACA025D Advanced Print Reading (Total Credits 1.5 - 1.5)
ACA026B Wall Forming (Total Credits 1.5 - 1.5)
ACA027D Stairs and Ramp Forming (Total Credits 1.5 - 1.5)
ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
ACPD021 Orientation (Total Credits 2.0 - 2.0)
ACPD022 Safety and Health (Total Credits 2.0 - 2.0)
ACPD023 Tool/Equipment Applications (Total Credits 1.5 - 1.5)
ACPD024A Piles and Hammers A (Total Credits 1.5 - 1.5)
ACPD024B Piles and Hammers B (Total Credits 1.5 - 1.5)
ACPD026A Falsework A (Total Credits 1.5 - 1.5)
ACPD026B Falsework B (Total Credits 1.5 - 1.5)
ACPD027A Abutment A (Total Credits 1.5 - 1.5)
ACPD027B Abutment B (Total Credits 1.5 - 1.5)
ACPD028A Bridge and Deck Forms A (Total Credits 1.5 - 1.5)
ACPD028B Bridge and Deck Forms B (Total Credits 1.5 - 1.5)
ACPD029A Structural Welding A (Total Credits 1.5 - 1.5)
ACPD029B Structural Welding B (Total Credits 1.5 - 1.5)
ACPD030 Print Reading (Total Credits 1.5 - 1.5)
ACPD031A Welding Fabrication (Total Credits 1.5 - 1.5)
ACPD032 Introduction to Welding (Total Credits 1.5 - 1.5)
ACPD033A Rigging A (Total Credits 1.5 - 1.5)
ACPD033B Rigging B (Total Credits 1.5 - 1.5)
ACPD034 Marine Safety (Total Credits 1.5 - 1.5)
ACPD035 Dock Systems (Total Credits 1.5 - 1.5)
AMW026 Cutting and Burning (Total Credits 1.5 - 1.5)

**Control Number:** 31588

## Apprenticeship Carpentry, Pile Driver, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Pile Driver is designed to provide the required related and supplemental classroom instruction in the technical skills and knowledge required in the trade. Pile drivers work with pile-driving rigs--those big machines that look like cranes, but shake the ground as they drive metal, concrete or wood piling into the earth during the early stages of construction. Usually, pile drivers are the first workers at the construction site. They drive metal sheet piling to hold back the dirt during excavations. They drive concrete and metal piling as part of the foundation system upon which skyscrapers are built, and they drive wood and concrete piling to hold up docks, wharfs and bridges. In some cases they work on off-shore oil rigs and as commercial divers involved in underwater construction. Pile drivers are also required to install heavy timbers and weld or cut large metal beams. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Pile Driver, CA (Total Credits 24.0 - 25.5)
All of the following

***Certificate courses: Choose 16 courses from the following list: (Total Credits 24.0 - 25.5)***

The following number of Credits
ACA025D Advanced Print Reading (Total Credits 1.5 - 1.5)
ACA027D Stairs and Ramp Forming (Total Credits 1.5 - 1.5)
ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
ACPD021 Orientation (Total Credits 2.0 - 2.0)
ACPD022 Safety and Health (Total Credits 2.0 - 2.0)
ACPD023 Tool/Equipment Applications (Total Credits 1.5 - 1.5)
ACPD024A Piles and Hammers A (Total Credits 1.5 - 1.5)
ACPD024B Piles and Hammers B (Total Credits 1.5 - 1.5)
ACPD026A Falsework A (Total Credits 1.5 - 1.5)
ACPD026B Falsework B (Total Credits 1.5 - 1.5)
ACPD027A Abutment A (Total Credits 1.5 - 1.5)
ACPD027B Abutment B (Total Credits 1.5 - 1.5)
ACPD028A Bridge and Deck Forms A (Total Credits 1.5 - 1.5)
ACPD028B Bridge and Deck Forms B (Total Credits 1.5 - 1.5)
ACPD029A Structural Welding A (Total Credits 1.5 - 1.5)
ACPD029B Structural Welding B (Total Credits 1.5 - 1.5)
ACPD030 Print Reading (Total Credits 1.5 - 1.5)
ACPD031A Welding Fabrication (Total Credits 1.5 - 1.5)
ACPD032 Introduction to Welding (Total Credits 1.5 - 1.5)
ACPD033A Rigging A (Total Credits 1.5 - 1.5)
ACPD033B Rigging B (Total Credits 1.5 - 1.5)
ACPD034 Marine Safety (Total Credits 1.5 - 1.5)
ACPD035 Dock Systems (Total Credits 1.5 - 1.5)
AMW026 Cutting and Burning (Total Credits 1.5 - 1.5)

**Control Number:** 31589

# Apprenticeship Carpentry, Plastering, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Plastering provides the required related and supplemental instruction for apprentice plasterers in the technical skills and knowledge required in the trade. Plasterers apply various wet materials over surfaces on both exterior and interior walls, ceilings and other surfaces in the construction industry. Successful completion may result in journeyworker status. Those interested should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Plastering, AS
(Total Credits 25.5 - 27.0)
All of the following

***Major requirements: (Total Credits 19.5 - 19.5)***

The following number of Credits
- ACA071A Orientation (Total Credits 2.0 - 2.0)
- ACA071B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA074A Print Reading (Total Credits 2.0 - 2.0)
- ACPL023 Tool/Equipment Applications (Total Credits 1.5 - 1.5)
- ACPL025 Basic Plastering (Total Credits 1.5 - 1.5)
- ACPL026 Exterior Plastering (Total Credits 1.5 - 1.5)
- ACPL027 Dot and Screed Techniques (Total Credits 1.5 - 1.5)
- ACPL028 Interior Plastering (Total Credits 1.5 - 1.5)
- ACPL029 Tender and Plastering Equipment (Total Credits 1.5 - 1.5)
- ACPL030 Exterior Insulation Finish Systems (EIFS) (Total Credits 1.5 - 1.5)
- ACPL031 Ornamental Plastering (Total Credits 1.5 - 1.5)
- ACPL032 Plastering Equipment Application (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 7.5)**

The following number of Credits
- ACA072B Basic Lathing (Total Credits 1.5 - 1.5)
- ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
- ACA074C Air, Moisture and Thermal Barrier (Total Credits 1.5 - 1.5)
- ACA082B Firestopping Procedures (Total Credits 1.5 - 1.5)
- ACPL033 Finish Applications (Total Credits 1.5 - 1.5)
- ACPL034 Theme Plastering (Total Credits 1.5 - 1.5)
- AMF030 Crew Lead Customer Service Training (Total Credits 2.5 - 2.5)

**Control Number:** 31705

# Apprenticeship Carpentry, Plastering, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Plastering provides the required related and supplemental instruction for apprentice plasterers in the technical skills and knowledge required in the trade. Plasterers apply various wet materials over surfaces on both exterior and interior walls, ceilings and other surfaces in the construction industry. Successful completion may result in journeyworker status. Those interested should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Plastering, CA
(Total Credits 25.5 - 27.0)
All of the following

***Certificate requirements: (Total Credits 19.5 - 19.5)***

The following number of Credits
- ACA071A Orientation (Total Credits 2.0 - 2.0)
- ACA071B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA074A Print Reading (Total Credits 2.0 - 2.0)
- ACPL023 Tool/Equipment Applications (Total Credits 1.5 - 1.5)
- ACPL025 Basic Plastering (Total Credits 1.5 - 1.5)
- ACPL026 Exterior Plastering (Total Credits 1.5 - 1.5)
- ACPL027 Dot and Screed Techniques (Total Credits 1.5 - 1.5)
- ACPL028 Interior Plastering (Total Credits 1.5 - 1.5)
- ACPL029 Tender and Plastering Equipment (Total Credits 1.5 - 1.5)
- ACPL030 Exterior Insulation Finish Systems (EIFS) (Total Credits 1.5 - 1.5)
- ACPL031 Ornamental Plastering (Total Credits 1.5 - 1.5)
- ACPL032 Plastering Equipment Application (Total Credits 1.5 - 1.5)

**Select four (4) courses from the following: (Total Credits 6.0 - 7.5)**

The following number of Credits
- ACA072B Basic Lathing (Total Credits 1.5 - 1.5)
- ACA074B Advanced Print Reading (Total Credits 2.0 - 2.0)
- ACA074C Air, Moisture and Thermal Barrier (Total Credits 1.5 - 1.5)
- ACA082B Firestopping Procedures (Total Credits 1.5 - 1.5)
- ACPL033 Finish Applications (Total Credits 1.5 - 1.5)
- ACPL034 Theme Plastering (Total Credits 1.5 - 1.5)
- AMF030 Crew Lead Customer Service Training (Total Credits 2.5 - 2.5)

**Control Number:** 31706

# Apprenticeship Carpentry, Tilt-Up, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Carpentry, Tilt-Up is designed to provide related and supplemental instruction including the technical skills and knowledge required in the trade. Tilt-up apprentices work with slabs of concrete which, after attaining proper strength, are lifted (tilted) with a crane and set on prepared foundations to form the exterior walls of a building. The erected panels are temporarily braced, connected, and the joints between them caulked. Tilt-up workers may construct and attach the roof structure to the walls to complete the building shell. Tilt-up construction is used for nearly every type of one- to four-story building. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Tilt-Up, AS
(Total Credits 21.0 - 21.0)
All of the following

***Major requirements: (Total Credits 15.0 - 15.0)***

The following number of Credits
- ACA002B Slabs/Interior-Exterior Footings (Total Credits 1.5 - 1.5)
- ACA003A Tilt-Up Introduction (Total Credits 1.5 - 1.5)
- ACA004A Lifting, and Bracing Safety (Total Credits 1.5 - 1.5)
- ACA005A Wall-Column Forms/Cutting and Burning (Total Credits 1.5 - 1.5)
- ACA005C Specialized Forms and Rigging (Total Credits 1.5 - 1.5)
- ACA021A Orientation (Total Credits 2.0 - 2.0)
- ACA021B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
- ACA027D Stairs and Ramp Forming (Total Credits 1.5 - 1.5)

**Select six (6) units from the following: (Total Credits 6.0 - 6.0)**

The following number of Credits
- ACA004B Poured-in-Place Wall Forms (Total Credits 1.5 - 1.5)
- ACA005B Site Work/Curb and Gutter (Total Credits 1.5 - 1.5)
- ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
- ACA022A Commercial Floor Framing (Total Credits 1.5 - 1.5)
- ACA022E Commercial Roof Framing (Total Credits 1.5 - 1.5)
- ACA025A Foundations and Flatwork (Total Credits 1.5 - 1.5)
- ACA026B Wall Forming (Total Credits 1.5 - 1.5)
- ACA029A Rigging (Total Credits 1.5 - 1.5)

**Control Number:** 13233

## Apprenticeship Carpentry, Tilt-Up, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Carpentry, Tilt-Up is designed to provide related and supplemental instruction including the technical skills and knowledge required in the trade. Tilt-up apprentices work with slabs of concrete which, after attaining proper strength, are lifted (tilted) with a crane and set on prepared foundations to form the exterior walls of a building. The erected panels are temporarily braced, connected, and the joints between them caulked. Tilt-up workers may construct and attach the roof structure to the walls to complete the building shell. Tilt-up construction is used for nearly every type of one- to four-story building. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Apprenticeship Carpentry, Tilt-Up, CA
(Total Credits 21.0 - 21.0)
All of the following

***Certificate requirements: (Total Credits 15.0 - 15.0)***

The following number of Credits
- ACA002B Slabs/Interior-Exterior Footings (Total Credits 1.5 - 1.5)
- ACA003A Tilt-Up Introduction (Total Credits 1.5 - 1.5)
- ACA004A Lifting, and Bracing Safety (Total Credits 1.5 - 1.5)
- ACA005A Wall-Column Forms/Cutting and Burning (Total Credits 1.5 - 1.5)
- ACA005C Specialized Forms and Rigging (Total Credits 1.5 - 1.5)
- ACA021A Orientation (Total Credits 2.0 - 2.0)
- ACA021B Safety and Health Certifications (Total Credits 2.0 - 2.0)
- ACA024D Transit Level/Laser (Total Credits 2.0 - 2.0)
- ACA027D Stairs and Ramp Forming (Total Credits 1.5 - 1.5)

**Select six (6) units from the following: (Total Credits 6.0 - 6.0)**

The following number of Credits
- ACA004B Poured-in-Place Wall Forms (Total Credits 1.5 - 1.5)
- ACA005B Site Work/Curb and Gutter (Total Credits 1.5 - 1.5)
- ACA021C Basic Wall Framing (Total Credits 1.5 - 1.5)
- ACA022A Commercial Floor Framing (Total Credits 1.5 - 1.5)
- ACA022E Commercial Roof Framing (Total Credits 1.5 - 1.5)
- ACA025A Foundations and Flatwork (Total Credits 1.5 - 1.5)
- ACA026B Wall Forming (Total Credits 1.5 - 1.5)
- ACA029A Rigging (Total Credits 1.5 - 1.5)

**Control Number:** 21660

# CHILD DEVELOPMENT - APPRENTICESHIP

## Apprenticeship in Early Childhood, AS

***A.S. Degree Major***

The Associate Degree of Science in Apprenticeship in Early Childhood prepares students to transfer into a baccalaureate degree program in Child Development or a related field of study, while also preparing them to work in the field of Early Childhood Development Students will gain general knowledge and on-the-job learning in early childhood education topics enabling them to obtain a California Child Development Teacher Permit and meet the standards set forth by the National Association for the Education of Young Children for appropriate teaching practices in early learning settings.

These courses are aligned with the California Early Childhood Curriculum Alignment Project (CAP) which means that your courses are transfer-ready and consistent with statewide guidelines for preparation of early childhood education.

**Program Rules:** Apprenticeship in Early Childhood, AS
(Total Credits 24.5 - 24.5)
All of the following

***Major Requirements: (Total Credits 24.5 - 24.5)***

All of the following
- APCD107 Apprenticeship Child Growth and Development (DS1) (Total Credits 3.0 - 3.0)
- APCD108 Apprenticeship Observation and Assessment (Total Credits 3.0 - 3.0)
- APCD110 Apprenticeship - Child, Family and Community (DS2) (Total Credits 3.0 - 3.0)
- APCD111B Apprenticeship - Introduction to Curriculum for Young Children (Total Credits 3.0 - 3.0)
- APCD116A Infant/Toddler Growth and Development (DS4) (Total Credits 3.0 - 3.0)
- APCD202 Introduction to Children from Special Populations (Total Credits 3.0 - 3.0)
- APCD221 Apprenticeship - Living and Teaching in a Diverse Society (Total Credits 3.0 - 3.0)
- APCD298A Apprenticeship - Practicum in Early Childhood Programs (Total Credits 3.5 - 3.5)

**Control Number:** 44326

## Apprenticeship in Early Childhood, CA

***Certificate of Achievement***

This Certificate of Achievement in Apprenticeship in Early Childhood prepares students in Child Development or a related field of study, while also preparing them to work in the field of Early Childhood Development Students will gain general knowledge and on-the-job learning in early childhood education topics enabling them to obtain a California Child Development Teacher Permit and meet the standards set forth by the National Association for the Education of Young Children for appropriate teaching practices in early learning settings.

**Program Rules:** Apprenticeship in Early Childhood, CA
(Total Credits 24.5 - 24.5)
All of the following

***Certificate Requirements (Total Credits 24.5 - 24.5)***

The following number of Credits
- APCD107 Apprenticeship Child Growth and Development (DS1) (Total Credits 3.0 - 3.0)
- APCD108 Apprenticeship Observation and Assessment (Total Credits 3.0 - 3.0)
- APCD110 Apprenticeship - Child, Family and Community (DS2) (Total Credits 3.0 - 3.0)
- APCD111B Apprenticeship - Introduction to Curriculum for Young Children (Total Credits 3.0 - 3.0)
- APCD116A Infant/Toddler Growth and Development (DS4) (Total Credits 3.0 - 3.0)
- APCD202 Introduction to Children from Special Populations (Total Credits 3.0 - 3.0)
- APCD221 Apprenticeship - Living and Teaching in a Diverse Society (Total Credits 3.0 - 3.0)
- APCD298A Apprenticeship - Practicum in Early Childhood Programs (Total Credits 3.5 - 3.5)

**Control Number:** 44174

# COSMOTOLOGY - APPRENTICESHIP

## Apprenticeship Cosmetology, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Cosmetology prepares students to obtain their license. The program is designed to offer the required related and supplemental classroom instruction as outlined by the apprenticeship agreement provided by the Division of Apprenticeship Standards and the State Board of Barbering and Cosmetology. All students must be indentured by the State of California. Interested apprentices should contact the Apprenticeship Office at Santiago Canyon College and the Orange County Barber and Cosmetology Joint Apprenticeship Committee.

**Program Rules:** Apprenticeship Cosmetology, CA
(Total Credits 0.5 - 14.0)
All of the following
ACS035 Cosmetology Apprentice (Total Credits 0.5 - 14.0)

**Control Number:** 11991

# ELECTRICIAN - APPRENTICESHIP

## Apprenticeship Electricity, Industrial, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Electricity Industrial provides the required related and supplemental instruction for state-indentured electrical inside wiremen apprentices. They install conduit, electrical wiring, fixtures and electrical apparatus inside commercial buildings and in a multitude of industrial settings. They use many different kinds of tools, ranging from simple one- and two-hand tools to power-assisted tools. Interested apprentices should contact the Orange County Electrical Apprenticeship Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status. Meets the state requirements as an electrician trainee program.

**Program Rules:** Apprenticeship Electricity, Industrial, AS
(Total Credits 46.5 - 46.5)
The following number of Credits
AEL051 Inside Wireman 1 (Total Credits 4.5 - 4.5)
AEL052 Inside Wireman 2 (Total Credits 4.5 - 4.5)
AEL053 Inside Wireman 3 (Total Credits 4.5 - 4.5)
AEL054 Inside Wireman 4 (Total Credits 4.5 - 4.5)
AEL055 Inside Wireman 5 (Total Credits 4.5 - 4.5)
AEL056 Inside Wireman 6 (Total Credits 4.5 - 4.5)
AEL057 Inside Wireman 7 (Total Credits 4.5 - 4.5)
AEL058 Inside Wireman 8 (Total Credits 4.5 - 4.5)
AEL059 Inside Wireman 9 (Total Credits 4.5 - 4.5)
AEL060 Inside Wireman 10 (Total Credits 4.5 - 4.5)
AEL061 Electrical Safety and First Aid (Total Credits 1.5 - 1.5)

**Control Number:** 11985

## Apprenticeship Electricity, Industrial, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Electricity, Industrial provides the required related and supplemental instruction for state-indentured electrical inside wiremen apprentices. They install conduit, electrical wiring, fixtures and electrical apparatus inside commercial buildings and in a multitude of industrial settings. They use many different kinds of tools, ranging from simple one- and two-hand tools to power-assisted tools. Interested apprentices should contact the Orange County Electrical Apprenticeship Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status. Meets the state requirements as an electrician trainee program.

**Program Rules:** Apprenticeship Electricity, Industrial, CA
(Total Credits 46.5 - 46.5)
The following number of Credits
AEL051 Inside Wireman 1 (Total Credits 4.5 - 4.5)
AEL052 Inside Wireman 2 (Total Credits 4.5 - 4.5)
AEL053 Inside Wireman 3 (Total Credits 4.5 - 4.5)
AEL054 Inside Wireman 4 (Total Credits 4.5 - 4.5)
AEL055 Inside Wireman 5 (Total Credits 4.5 - 4.5)
AEL056 Inside Wireman 6 (Total Credits 4.5 - 4.5)
AEL057 Inside Wireman 7 (Total Credits 4.5 - 4.5)
AEL058 Inside Wireman 8 (Total Credits 4.5 - 4.5)
AEL059 Inside Wireman 9 (Total Credits 4.5 - 4.5)
AEL060 Inside Wireman 10 (Total Credits 4.5 - 4.5)
AEL061 Electrical Safety and First Aid (Total Credits 1.5 - 1.5)

**Control Number:** 21661

## Apprenticeship Electricity, Intelligent Transportation Systems Electrician, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Electricity Intelligent Transportation Systems Electrician provides related and supplemental instruction for electrical apprentices. The program is designed to train apprentices in the process of planning, installing and maintaining intelligent transportation signal systems beginning with the rudimentary elements of construction housekeeping and safety, and then continuing on through the more advanced techniques of job planning, layout, installation and start-up. Apprentices will learn to use the National Electrical Safety codes, Caltrans installation plans and specifications and IMSA standards and practices. Apprentices will receive hand-on training as well as instruction in electrical theory. Apprentices who successfully complete this program will be eligible for Intelligent Transportation Systems Electrician Journeyworker status. They will have the skills necessary to work for signatory Intelligent Transportation/Traffic Signal contractors and will be qualified to train apprentices.

**Program Rules:** Apprenticeship Electricity, Intelligent Transportation Systems Electrician, AS (Total Credits 45.0 - 45.0)
The following number of Credits
AEL031 Intelligent Transportation Systems Electrician Apprentice 1 (Total Credits 4.5 - 4.5)
AEL032 Intelligent Transportation Systems Electrician Apprentice 2 (Total Credits 4.5 - 4.5)
AEL033 Intelligent Transportation Systems Electrician Apprentice 3 (Total Credits 4.5 - 4.5)
AEL034 Intelligent Transportation Systems Electrician Apprentice 4

(Total Credits 4.5 - 4.5)
AEL035 Intelligent Transportation Systems Electrician Apprentice 5 (Total Credits 4.5 - 4.5)
AEL036 Intelligent Transportation Systems Electrician Apprentice 6 (Total Credits 4.5 - 4.5)
AEL037 Intelligent Transportation Systems Electrician Apprentice 7 (Total Credits 4.5 - 4.5)
AEL038 Intelligent Transportation Systems Electrician Apprentice 8 (Total Credits 4.5 - 4.5)
AEL039 Intelligent Transportation Systems Electrician Apprentice 9 (Total Credits 4.5 - 4.5)
AEL040 Intelligent Transportation Systems Electrician Apprentice 10 (Total Credits 4.5 - 4.5)

**Control Number:** 22271

## Apprenticeship Electricity, Intelligent Transportation Systems Electrician, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Electricity, Intelligent Transportation Systems Electrician provides related and supplemental instruction for electrical apprentices. The program is designed to train apprentices in the process of planning, installing and maintaining intelligent transportation signal systems beginning with the rudimentary elements of construction housekeeping and safety, and then continuing on through the more advanced techniques of job planning, layout, installation and start-up. Apprentices will learn to use the National Electrical Safety codes, Caltrans installation plans and specifications and IMSA standards and practices. Apprentices will receive hand-on training as well as instruction in electrical theory. Apprentices who successfully complete this program will be eligible for Intelligent Transportation Systems Electrician Journeyworker status. They will have the skills necessary to work for signatory Intelligent Transportation/Traffic Signal contractors and will be qualified to train apprentices.

**Program Rules:** Apprenticeship Electricity, Intelligent Transportation Systems Electrician, CA (Total Credits 45.0 - 45.0)
The following number of Credits
AEL031 Intelligent Transportation Systems Electrician Apprentice 1 (Total Credits 4.5 - 4.5)
AEL032 Intelligent Transportation Systems Electrician Apprentice 2 (Total Credits 4.5 - 4.5)
AEL033 Intelligent Transportation Systems Electrician Apprentice 3 (Total Credits 4.5 - 4.5)
AEL034 Intelligent Transportation Systems Electrician Apprentice 4 (Total Credits 4.5 - 4.5)
AEL035 Intelligent Transportation Systems Electrician Apprentice 5 (Total Credits 4.5 - 4.5)
AEL036 Intelligent Transportation Systems Electrician Apprentice 6 (Total Credits 4.5 - 4.5)
AEL037 Intelligent Transportation Systems Electrician Apprentice 7 (Total Credits 4.5 - 4.5)
AEL038 Intelligent Transportation Systems Electrician Apprentice 8 (Total Credits 4.5 - 4.5)
AEL039 Intelligent Transportation Systems Electrician Apprentice 9 (Total Credits 4.5 - 4.5)
AEL040 Intelligent Transportation Systems Electrician Apprentice 10 (Total Credits 4.5 - 4.5)

**Control Number:** 22270

## Apprenticeship Electricity, Sound Installer, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Electricity Sound Installer provides related and supplemental instruction for electrical apprentices who have been recommended by the Joint Apprenticeship Committee. Interested apprentices should contact the committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may lead to state journeyworker certification.

**Program Rules:** Apprenticeship Electricity, Sound Installer, AS (Total Credits 27.0 - 27.0)
The following number of Credits
AEL021 Sound and Communication Apprentice 1 (Total Credits 4.5 - 4.5)
AEL022 Sound and Communication Apprentice 2 (Total Credits 4.5 - 4.5)
AEL023 Sound and Communication Apprentice 3 (Total Credits 4.5 - 4.5)
AEL024 Sound and Communication Apprentice 4 (Total Credits 4.5 - 4.5)
AEL025 Sound and Communication Apprentice 5 (Total Credits 4.5 - 4.5)
AEL026 Sound and Communication Apprentice 6 (Total Credits 4.5 - 4.5)

**Control Number:** 19588

## Apprenticeship Electricity, Sound Installer, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Electricity, Sound Installer provides related and supplemental instruction for electrical apprentices who have been recommended by the Joint Apprenticeship Committee. Interested apprentices should contact the committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may lead to state journeyworker certification.

**Program Rules:** Apprenticeship Electricity, Sound Installer, CA (Total Credits 27.0 - 27.0)
The following number of Credits
AEL021 Sound and Communication Apprentice 1 (Total Credits 4.5 - 4.5)
AEL022 Sound and Communication Apprentice 2 (Total Credits 4.5 - 4.5)
AEL023 Sound and Communication Apprentice 3 (Total Credits 4.5 - 4.5)
AEL024 Sound and Communication Apprentice 4 (Total Credits 4.5 - 4.5)
AEL025 Sound and Communication Apprentice 5 (Total Credits 4.5 - 4.5)
AEL026 Sound and Communication Apprentice 6 (Total Credits 4.5 - 4.5)

**Control Number:** 19587

## Apprenticeship Electricity, Sound Technician, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Electricity Sound Technician provides related and supplemental instruction for electrical apprentices who have been recommended by the Joint Apprenticeship Committee. Interested apprentices should contact the committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may lead to state journeyworker certification.

**Program Rules:** Apprenticeship Electricity, Sound Technician, AS (Total Credits 36.0 - 36.0)
The following number of Credits
AEL021 Sound and Communication Apprentice 1 (Total Credits 4.5 - 4.5)
AEL022 Sound and Communication Apprentice 2 (Total Credits 4.5 - 4.5)
AEL023 Sound and Communication Apprentice 3 (Total Credits 4.5 - 4.5)
AEL024 Sound and Communication Apprentice 4 (Total Credits 4.5 - 4.5)
AEL025 Sound and Communication Apprentice 5 (Total Credits 4.5 - 4.5)

AEL026 Sound and Communication Apprentice 6 (Total Credits 4.5 - 4.5)
AEL027 Sound and Communication Apprentice 7 (Total Credits 4.5 - 4.5)
AEL028 Sound and Communication Apprentice 8 (Total Credits 4.5 - 4.5)
**Control Number:** 19590

## Apprenticeship Electricity, Sound Technician, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Electricity, Sound Technician provides related and supplemental instruction for electrical apprentices who have been recommended by the Joint Apprenticeship Committee. Interested apprentices should contact the committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may lead to state journeyworker certification.

**Program Rules:** Apprenticeship Electricity, Sound Technician, CA (Total Credits 36.0 - 36.0)
The following number of Credits
AEL021 Sound and Communication Apprentice 1 (Total Credits 4.5 - 4.5)
AEL022 Sound and Communication Apprentice 2 (Total Credits 4.5 - 4.5)
AEL023 Sound and Communication Apprentice 3 (Total Credits 4.5 - 4.5)
AEL024 Sound and Communication Apprentice 4 (Total Credits 4.5 - 4.5)
AEL025 Sound and Communication Apprentice 5 (Total Credits 4.5 - 4.5)
AEL026 Sound and Communication Apprentice 6 (Total Credits 4.5 - 4.5)
AEL027 Sound and Communication Apprentice 7 (Total Credits 4.5 - 4.5)
AEL028 Sound and Communication Apprentice 8 (Total Credits 4.5 - 4.5)
**Control Number:** 19589

# MAINTENANCE MECHANIC - APPRENTICESHIP

## Maintenance Electrician, AS

***A.S. Degree Major***

The Associate of Science degree in Maintenance Electrician provides the related and supplemental instruction required for the Metropolitan Water District (MWD) Maintenance Electrician apprentices who have been selected by the apprenticeship committee. Those interested should contact the Maintenance Electrician apprenticeship committee or the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Maintenance Electrician, AS (Total Credits 36.0 - 36.0)
The following number of Credits
AME021 Period 1 (Total Credits 4.5 - 4.5)
AME052 Period 2 (Total Credits 4.5 - 4.5)
AME053 Period 3 (Total Credits 4.5 - 4.5)
AME054 Period 4 (Total Credits 4.5 - 4.5)
AME055 Period 5 (Total Credits 4.5 - 4.5)
AME056 Period 6 (Total Credits 4.5 - 4.5)
AME057 Period 7 (Total Credits 4.5 - 4.5)
AME058 Period 8 (Total Credits 4.5 - 4.5)
**Control Number:** 11982

## Maintenance Electrician, CA

***Certificate of Achievement***

The Certificate of Achievement in Maintenance Electrician provides the related and supplemental instruction required for the Metropolitan Water District (MWD) Maintenance Electrician apprentices who have been selected by the apprenticeship committee. Those interested should contact the Maintenance Electrician apprenticeship committee or the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Maintenance Electrician, CA (Total Credits 36.0 - 36.0)
The following number of Credits
AME021 Period 1 (Total Credits 4.5 - 4.5)
AME052 Period 2 (Total Credits 4.5 - 4.5)
AME053 Period 3 (Total Credits 4.5 - 4.5)
AME054 Period 4 (Total Credits 4.5 - 4.5)
AME055 Period 5 (Total Credits 4.5 - 4.5)
AME056 Period 6 (Total Credits 4.5 - 4.5)
AME057 Period 7 (Total Credits 4.5 - 4.5)
AME058 Period 8 (Total Credits 4.5 - 4.5)
**Control Number:** 21653

## Maintenance Mechanic, AS

***A.S. Degree Major***

The Associate of Science degree in Maintenance Mechanic provides the related and supplemental instruction required for the Metropolitan Water District (MWD) Maintenance Mechanic apprentices who have been selected by the apprenticeship committee. Those interested should contact the Maintenance Mechanic apprenticeship committee or the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Maintenance Mechanic, AS (Total Credits 36.0 - 36.0)
The following number of Credits
AMM021 Period 1 (Total Credits 4.5 - 4.5)
AMM022 Period 2 (Total Credits 4.5 - 4.5)
AMM023 Period 3 (Total Credits 4.5 - 4.5)
AMM024 Period 4 (Total Credits 4.5 - 4.5)
AMM025 Period 5 (Total Credits 4.5 - 4.5)
AMM026 Period 6 (Total Credits 4.5 - 4.5)
AMM027 Period 7 (Total Credits 4.5 - 4.5)
AMM028 Period 8 (Total Credits 4.5 - 4.5)
**Control Number:** 16839

## Maintenance Mechanic, CA

***Certificate of Achievement***

The Certificate of Achievement in Maintenance Mechanic provides the related and supplemental instruction required for the Metropolitan Water District (MWD) Maintenance Mechanic apprentices who have been selected by the apprenticeship committee. Those interested should contact the Maintenance Mechanic apprenticeship committee or the Apprenticeship Office at Santiago Canyon College.

**Program Rules:** Maintenance Mechanic, CA (Total Credits 36.0 - 36.0)
The following number of Credits
AMM021 Period 1 (Total Credits 4.5 - 4.5)
AMM022 Period 2 (Total Credits 4.5 - 4.5)
AMM023 Period 3 (Total Credits 4.5 - 4.5)
AMM024 Period 4 (Total Credits 4.5 - 4.5)
AMM025 Period 5 (Total Credits 4.5 - 4.5)
AMM026 Period 6 (Total Credits 4.5 - 4.5)
AMM027 Period 7 (Total Credits 4.5 - 4.5)
AMM028 Period 8 (Total Credits 4.5 - 4.5)
**Control Number:** 21651

# OPERATING ENGINEERS - APPRENTICESHIP

## Apprenticeship Operating Engineers, Construction Safety Inspector, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Operating Engineers, Construction Safety Inspector provides the related and supplemental instruction required for state-indentured operating engineer apprentices. Construction Safety Inspectors perform the equipment and jobsite inspections that ensure safe and proper procedures and regulations are being followed. Interested apprentices should contact the Operating Engineers Joint Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status, and OSHA 10, OSHA 30, CPR and First Aid certification.

**Program Rules:** Apprenticeship Operating Engineers, Construction Safety Inspector, AS (Total Credits 24.0 - 24.0)

The following number of Credits

AOE011 Construction Safety Inspector Apprentice 1 (Total Credits 4.0 - 4.0)
AOE012 Construction Safety Inspector Apprentice 2 (Total Credits 4.0 - 4.0)
AOE013 Construction Safety Inspector Apprentice 3 (Total Credits 4.0 - 4.0)
AOE014 Construction Safety Inspector Apprentice 4 (Total Credits 4.0 - 4.0)
AOE015 Construction Safety Inspector Apprentice 5 (Total Credits 4.0 - 4.0)
AOE016 Construction Safety Inspector Apprentice 6 (Total Credits 4.0 - 4.0)

**Control Number:** 31503

## Apprenticeship Operating Engineers, Construction Safety Inspector, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Operating Engineers, Construction Safety Inspector provides the related and supplemental instruction required for state-indentured operating engineer apprentices. Construction Safety Inspectors perform the equipment and jobsite inspections that ensure safe and proper procedures and regulations are being followed. Interested apprentices should contact the Operating Engineers Joint Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status; and, OSHA 10, OSHA 30, CPR and First Aid certification.

**Program Rules:** Apprenticeship Operating Engineers, Construction Safety Inspector, CA (Total Credits 24.0 - 24.0)

The following number of Credits

AOE011 Construction Safety Inspector Apprentice 1 (Total Credits 4.0 - 4.0)
AOE012 Construction Safety Inspector Apprentice 2 (Total Credits 4.0 - 4.0)
AOE013 Construction Safety Inspector Apprentice 3 (Total Credits 4.0 - 4.0)
AOE014 Construction Safety Inspector Apprentice 4 (Total Credits 4.0 - 4.0)
AOE015 Construction Safety Inspector Apprentice 5 (Total Credits 4.0 - 4.0)
AOE016 Construction Safety Inspector Apprentice 6 (Total Credits 4.0 - 4.0)

**Control Number:** 31574

## Apprenticeship Operating Engineers, Heavy Duty Repairer, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Operating Engineers Heavy Duty Repairer provides the required related and supplemental instruction for state-indentured operating engineer apprentices. Interested apprentices should contact the Operating Engineers Joint Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

**Program Rules:** Apprenticeship Operating Engineers, Heavy Duty Repairer, AS (Total Credits 18.0 - 18.0)

The following number of Credits

AOE031 Heavy Duty Repairer 1 (Total Credits 3.0 - 3.0)
AOE032 Heavy Duty Repairer 2 (Total Credits 3.0 - 3.0)
AOE033 Hydraulics (Total Credits 3.0 - 3.0)
AOE034 Advanced Hydraulics (Total Credits 3.0 - 3.0)
AOE035 Heavy Duty Repairer 5 (Total Credits 3.0 - 3.0)
AOE036 Disassembly and Assembly (Total Credits 3.0 - 3.0)

**Control Number:** 17687

## Apprenticeship Operating Engineers, Heavy Duty Repairer, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Operating Engineers, Heavy Duty Repairer provides the required related and supplemental instruction for state-indentured operating engineer apprentices. Interested apprentices should contact the Operating Engineers Joint Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

**Program Rules:** Apprenticeship Operating Engineers, Heavy Duty Repairer, CA (Total Credits 18.0 - 18.0)

The following number of Credits

AOE031 Heavy Duty Repairer 1 (Total Credits 3.0 - 3.0)
AOE032 Heavy Duty Repairer 2 (Total Credits 3.0 - 3.0)
AOE033 Hydraulics (Total Credits 3.0 - 3.0)
AOE034 Advanced Hydraulics (Total Credits 3.0 - 3.0)
AOE035 Heavy Duty Repairer 5 (Total Credits 3.0 - 3.0)
AOE036 Disassembly and Assembly (Total Credits 3.0 - 3.0)

**Control Number:** 21654

## Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Operating Engineers Heavy Equipment/Landscape Operator Engineer provides the related and supplemental instruction required for state-indentured apprentices. Heavy equipment/landscape operator engineers are highly trained, skilled professionals who operate heavy construction equipment on high-rise buildings, roads, and freeways. Interested apprentices should contact the Operating Engineers Apprenticeship Training Trust and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

**Program Rules:** Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer, AS (Total Credits 24.0 - 24.0)

The following number of Credits
AOE041 Introduction to Apprenticeship (Total Credits 4.0 - 4.0)
AOE042 Grade Checking (Total Credits 4.0 - 4.0)
AOE043 Equipment Operator 3 (Total Credits 4.0 - 4.0)
AOE044 Plan Reading (Total Credits 4.0 - 4.0)
AOE045 Equipment Operator 5 (Total Credits 4.0 - 4.0)
AOE046 Hazmat 6 (Total Credits 4.0 - 4.0)
**Control Number:** 11983

## Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer provides the related and supplemental instruction required for state-indentured apprentices. Heavy Equipment/ Landscape Operator Engineers are highly trained, skilled professionals who operate heavy construction equipment on high-rise buildings, roads, and freeways. Interested apprentices should contact the Operating Engineers Apprenticeship Training Trust and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

**Program Rules:** Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer, CA (Total Credits 24.0 - 24.0)
The following number of Credits
AOE041 Introduction to Apprenticeship (Total Credits 4.0 - 4.0)
AOE042 Grade Checking (Total Credits 4.0 - 4.0)
AOE043 Equipment Operator 3 (Total Credits 4.0 - 4.0)
AOE045 Equipment Operator 5 (Total Credits 4.0 - 4.0)
AOE044 Plan Reading (Total Credits 4.0 - 4.0)
AOE046 Hazmat 6 (Total Credits 4.0 - 4.0)
**Control Number:** 21655

## Apprenticeship Operating Engineers, Plant Equipment/Rock, Sand and Gravel, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Operating Engineers Plant Equipment/Rock, Sand and Gravel provides the required related and supplemental instruction for state-indentured operating engineer apprentices. Interested apprentices should contact the Operating Engineers Joint Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

**Program Rules:** Apprenticeship Operating Engineers, Plant Equipment/Rock, Sand and Gravel, AS (Total Credits 24.0 - 24.0)
The following number of Credits
AOE021 Plant Equipment Operator 1 (Total Credits 4.0 - 4.0)
AOE022 Plant Equipment Operator 2 (Total Credits 4.0 - 4.0)
AOE023 Plant Equipment Operator 3 (Total Credits 4.0 - 4.0)
AOE024 Plant Equipment Operator 4 (Total Credits 4.0 - 4.0)
AOE025 Plant Equipment Operator 5 (Total Credits 4.0 - 4.0)
AOE026 Plant Equipment Operator 6 (Total Credits 4.0 - 4.0)
**Control Number:** 17686

## Apprenticeship Operating Engineers, Plant Equipment/Rock, Sand and Gravel, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Operating Engineers, Plant Equipment/Rock, Sand and Gravel provides the required related and supplemental instruction for state-indentured operating engineer apprentices. Interested apprentices should contact the Operating Engineers Joint Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

**Program Rules:** Apprenticeship Operating Engineers, Plant Equipment/Rock, Sand and Gravel, CA (Total Credits 24.0 - 24.0)
The following number of Credits
AOE021 Plant Equipment Operator 1 (Total Credits 4.0 - 4.0)
AOE022 Plant Equipment Operator 2 (Total Credits 4.0 - 4.0)
AOE023 Plant Equipment Operator 3 (Total Credits 4.0 - 4.0)
AOE024 Plant Equipment Operator 4 (Total Credits 4.0 - 4.0)
AOE025 Plant Equipment Operator 5 (Total Credits 4.0 - 4.0)
AOE026 Plant Equipment Operator 6 (Total Credits 4.0 - 4.0)
**Control Number:** 21656

## Apprenticeship Operating Engineers, Special Inspector, AS

***A.S. Degree Major***

The Associate of Science degree in Aprenticeship Operating Engineers Special Inspector provides the required related and supplemental instruction for state-indentured operating engineer apprentices. Interested apprentices should contact the Operating Engineers Joint Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

**Program Rules:** Apprenticeship Operating Engineers, Special Inspector, AS (Total Credits 24.0 - 24.0)
All of the following
***Major requirements: (Total Credits 8.0 - 8.0)***
The following number of Credits
AOE075A Soils Inspection and Testing (Total Credits 4.0 - 4.0)
AOE076A Structural Plan Reading for Inspectors (Total Credits 4.0 - 4.0)
**Select four (4) courses from the following: (Total Credits 16.0 - 16.0)**
The following number of Credits
AOE071A Reinforced Concrete (Total Credits 4.0 - 4.0)
AOE072A Prestressed Concrete (Total Credits 4.0 - 4.0)
AOE073A Structural Steel/Welding (Total Credits 4.0 - 4.0)
AOE074A Structural Masonry (Total Credits 4.0 - 4.0)
AOE077A ICC Soils Special Inspector (Total Credits 4.0 - 4.0)
**Control Number:** 17688

## Apprenticeship Operating Engineers, Special Inspector, CA

***Certificate of Achievement***

The Certificate of Achievement in Operating Engineers Special Inspector provides the required related and supplemental instruction for state-indentured operating engineer apprentices. Interested apprentices should contact the Operating Engineers Joint Apprenticeship and Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

**Program Rules:** Apprenticeship Operating Engineers, Special Inspector, CA (Total Credits 24.0 - 24.0)
All of the following
***Certificate requirements: (Total Credits 8.0 - 8.0)***
The following number of Credits
AOE075A Soils Inspection and Testing (Total Credits 4.0 - 4.0)
AOE076A Structural Plan Reading for Inspectors (Total Credits 4.0 - 4.0)
**Select four (4 ) courses from the following: (Total Credits 16.0 - 16.0)**
The following number of Credits
AOE071A Reinforced Concrete (Total Credits 4.0 - 4.0)
AOE072A Prestressed Concrete (Total Credits 4.0 - 4.0)
AOE073A Structural Steel/Welding (Total Credits 4.0 - 4.0)
AOE074A Structural Masonry (Total Credits 4.0 - 4.0)
AOE077A ICC Soils Special Inspector (Total Credits 4.0 - 4.0)
**Control Number:** 21665

# POWER LINEMAN - APPRENTICESHIP

## Apprenticeship Power Lineman, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Power Lineman provides the required related and supplemental instruction for power lineman apprentices. The work of the power lineman involves installing and maintaining power poles, erecting steel towers, stringing wire, building substations, climbing power poles and installing underground and street lighting systems. It's highly skilled work that requires a great deal of concentration, dexterity, and knowledge. Interested apprentices should contact the California-Nevada Joint Apprentice Training Committee and the Apprenticeship Office at Santiago Canyon College.
**Program Rules:** Apprenticeship Power Lineman, AS (Total Credits 24.0 - 24.0)
The following number of Credits
APL020 Orientation (Total Credits 3.0 - 3.0)
APL021 Power Lineman Apprentice 1 (Total Credits 3.0 - 3.0)
APL022 Power Lineman Apprentice 2 (Total Credits 3.0 - 3.0)
APL023 Power Lineman Apprentice 3 (Total Credits 3.0 - 3.0)
APL024 Power Lineman Apprentice 4 (Total Credits 3.0 - 3.0)
APL025 Power Lineman Apprentice 5 (Total Credits 3.0 - 3.0)
APL026 Power Lineman Apprentice 6 (Total Credits 3.0 - 3.0)
APL041 Work Methods Training (Total Credits 1.0 - 1.0)
APL042 Rubber Gloves Training (Total Credits 1.0 - 1.0)
APL043 Hot Sticks Training (Total Credits 1.0 - 1.0)
**Control Number:** 11981

## Apprenticeship Power Lineman, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Power Lineman provides the required related and supplemental instruction for power lineman apprentices. The work of the power lineman involves installing and maintaining power poles, erecting steel towers, stringing wire, building substations, climbing power poles and installing underground and street lighting systems. It's highly skilled work that requires a great deal of concentration, dexterity, and knowledge. Interested apprentices should contact the California-Nevada Joint Apprentice Training Committee and the Apprenticeship Office at Santiago Canyon College.
**Program Rules:** Apprenticeship Power Lineman, CA (Total Credits 24.0 - 24.0)
The following number of Credits
APL020 Orientation (Total Credits 3.0 - 3.0)
APL021 Power Lineman Apprentice 1 (Total Credits 3.0 - 3.0)
APL022 Power Lineman Apprentice 2 (Total Credits 3.0 - 3.0)
APL023 Power Lineman Apprentice 3 (Total Credits 3.0 - 3.0)
APL024 Power Lineman Apprentice 4 (Total Credits 3.0 - 3.0)
APL025 Power Lineman Apprentice 5 (Total Credits 3.0 - 3.0)
APL026 Power Lineman Apprentice 6 (Total Credits 3.0 - 3.0)
APL041 Work Methods Training (Total Credits 1.0 - 1.0)
APL042 Rubber Gloves Training (Total Credits 1.0 - 1.0)
APL043 Hot Sticks Training (Total Credits 1.0 - 1.0)
**Control Number:** 21652

# SURVEY/MAPPING SCIENCES - APPRENTICESHIP

## Land Surveying, AS

***A.S. Degree Major***

The Associate of Science degree in Land Surveying provides the student a thorough background in land surveying and mapping in addition to an introduction to collection, manipulation, formatting and mapping of geospatial data. The successful graduate of this program will have the technical expertise necessary for an entry level position in the fields of Geographic Information Systems, Land Surveying, and Digital Photogrammetry. The program also assists those students preparing for the State Land Surveyor-In-Training and Land Surveyor's Exams. The State Board of Registration for Professional Engineers and Land Surveyors will grant one year of experience credit for students completing an Associate Degree in Survey/Mapping Sciences.
**Program Rules:** Land Surveying, AS (Total Credits 23.0 - 23.0)
The following number of Credits
SURV118 Plane Surveying (Total Credits 4.0 - 4.0)
SURV119 Advanced Plane Surveying (Total Credits 4.0 - 4.0)
SURV205 Computer Aided Drafting Fundamentals For Surveyors (Total Credits 3.0 - 3.0)
SURV221 Advanced Problems in Surveying I (Total Credits 3.0 - 3.0)
SURV222 Advanced Problems in Surveying II (Total Credits 3.0 - 3.0)
SURV229 Legal Aspects of Land Surveying I (Total Credits 3.0 - 3.0)
SURV230 Legal Aspects of Land Surveying II (Total Credits 3.0 - 3.0)
**Control Number:** 11906

## Land Surveying, CA

***Certificate of Achievement***

The Certificate of Achievement in Land Surveying provides the student a thorough background in land surveying and mapping in addition to an introduction to collection, manipulation, formatting and mapping of geospatial data. The successful graduate of this program will have the technical expertise necessary for an entry level position in the fields of Geographic Information Systems, Land Surveying, and Digital Photogrammetry. The program also assists those students preparing for the State Land Surveyor-In-Training and Land Surveyor's Exams. The State Board of Registration for Professional Engineers and Land Surveyors will grant one year of experience credit for students completing an Associate Degree in Survey/Mapping Sciences.
**Program Rules:** Land Surveying, CA (Total Credits 23.0 - 23.0)
The following number of Credits
SURV118 Plane Surveying (Total Credits 4.0 - 4.0)
SURV119 Advanced Plane Surveying (Total Credits 4.0 - 4.0)

SURV205 Computer Aided Drafting Fundamentals For Surveyors (Total Credits 3.0 - 3.0)
SURV221 Advanced Problems in Surveying I (Total Credits 3.0 - 3.0)
SURV222 Advanced Problems in Surveying II (Total Credits 3.0 - 3.0)
SURV229 Legal Aspects of Land Surveying I (Total Credits 3.0 - 3.0)
SURV230 Legal Aspects of Land Surveying II (Total Credits 3.0 - 3.0)
**Control Number:** 21668

# SURVEYING - APPRENTICESHIP

## Apprenticeship Surveying, Chainman, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Surveying Chainman prepares students for a career in surveying and provides the related and supplemental instruction required for apprentice surveyors. Successful completion leads to journeyworker certification. Employers include land surveying and civil engineering firms, and general construction contractors throughout Southern California. Those interested should contact the Southern California Surveying Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.
**Program Rules:** Apprenticeship Surveying, Chainman, AS (Total Credits 25.6 - 25.6)
The following number of Credits
ASV030 Labor Relations (Total Credits 0.5 - 0.5)
ASV040 Standard First Aid (Total Credits 0.1 - 0.1)
ASVI01 Chainman Apprentice 1 (Total Credits 5.0 - 5.0)
ASVI02 Chainman Apprentice 2 (Total Credits 5.0 - 5.0)
ASVI03 Chainman Apprentice 3 (Total Credits 5.0 - 5.0)
ASVI04 Chainman Apprentice 4 (Total Credits 5.0 - 5.0)
ASVI05 Chainman Apprentice 5 (Total Credits 5.0 - 5.0)
**Control Number:** 13230

## Apprenticeship Surveying, Chainman, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Surveying, Chainman prepares students for a career in surveying and provides the related and supplemental instruction required for apprentice surveyors. Successful completion leads to journeyworker certification. Employers include land surveying and civil engineering firms, and general construction contractors throughout Southern California. Those interested should contact the Southern California Surveying Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.
**Program Rules:** Apprenticeship Surveying, Chainman, CA (Total Credits 25.6 - 25.6)
The following number of Credits
ASV030 Labor Relations (Total Credits 0.5 - 0.5)
ASV040 Standard First Aid (Total Credits 0.1 - 0.1)
ASVI01 Chainman Apprentice 1 (Total Credits 5.0 - 5.0)
ASVI02 Chainman Apprentice 2 (Total Credits 5.0 - 5.0)
ASVI03 Chainman Apprentice 3 (Total Credits 5.0 - 5.0)
ASVI04 Chainman Apprentice 4 (Total Credits 5.0 - 5.0)
ASVI05 Chainman Apprentice 5 (Total Credits 5.0 - 5.0)
**Control Number:** 21667

## Apprenticeship Surveying, Chief of Party, AS

***A.S. Degree Major***

The Associate of Science degree in Apprenticeship Surveying, Chief of Party prepares students for career advancement in surveying. If combined with appropriate field experience, completion of the program may lead to employment as party chief and eventually to professional California state licensing as a land surveyor. The Chief of Party leads the work of a survey party in surveying Earth's surface to determine precise locations and measurements. They are responsible for checking the accuracy of the survey party's work, making accurate measurements, and solving survey problems. Those interested should contact the Southern California Surveying Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.
**Program Rules:** Apprenticeship Surveying, Chief of Party, AS (Total Credits 24.0 - 24.0)
The following number of Credits
ASVI21 Plane Surveying and Coordinate Geometry (Total Credits 3.0 - 3.0)
ASVI22 Advanced Coordinate Geometry (Total Credits 3.0 - 3.0)
ASVI23 Laptop Surveying/Aerial Photogrammetry (Total Credits 3.0 - 3.0)
ASVI24 Plan Reading and Subdivision Surveying (Total Credits 3.0 - 3.0)
ASVI25 Major Project Plans and Survey Layout (Total Credits 3.0 - 3.0)
ASVI26 Control and Geodetic Surveying (Total Credits 3.0 - 3.0)
ASVI27 U.S. Public Land Surveys (Total Credits 3.0 - 3.0)
ASVI28 Property Surveys and Legal Descriptions (Total Credits 3.0 - 3.0)
**Control Number:** 11990

## Apprenticeship Surveying, Chief of Party, CA

***Certificate of Achievement***

The Certificate of Achievement in Apprenticeship Surveying, Chief of Party prepares students for career advancement in surveying. If combined with appropriate field experience, completion of the program may lead to employment as party chief and eventually to professional California state licensing as a land surveyor. The Chief of Party leads the work of a survey party in surveying Earth's surface to determine precise locations and measurements. They are responsible for checking the accuracy of the survey party's work, making accurate measurements, and solving survey problems. Those interested should contact the Southern California Surveying Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.
**Program Rules:** Apprenticeship Surveying, Chief of Party, CA (Total Credits 24.0 - 24.0)
The following number of Credits
ASVI21 Plane Surveying and Coordinate Geometry (Total Credits 3.0 - 3.0)
ASVI22 Advanced Coordinate Geometry (Total Credits 3.0 - 3.0)
ASVI23 Laptop Surveying/Aerial Photogrammetry (Total Credits 3.0 - 3.0)
ASVI24 Plan Reading and Subdivision Surveying (Total Credits 3.0 - 3.0)
ASVI25 Major Project Plans and Survey Layout (Total Credits 3.0 - 3.0)
ASVI26 Control and Geodetic Surveying (Total Credits 3.0 - 3.0)
ASVI27 U.S. Public Land Surveys (Total Credits 3.0 - 3.0)
ASVI28 Property Surveys and Legal Descriptions (Total Credits 3.0 - 3.0)
**Control Number:** 21666

# APPRENTICESHIP COURSES

## CARPENTRY - APPRENTICESHIP

### ACA002B
**Slabs/Interior-Exterior Footings**
**Units:** 1.5
This class highlights the techniques and procedures used in the layout and setting of footing forms according to prints and shop drawings. Introduction of slab construction for casting tilt up panels will be discussed. Acceptable elevation tolerances, proper concrete placement and slab leveling will be stressed. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

### ACA003A
**Tilt-Up Introduction**
**Units:** 1.5
Designed to familiarize tilt-up students with basic panel types and typical construction methods used in the tilt-up industry. This course identifies panel features, applications, specialty hardware, and provides an overview of the construction and placement of tilt-up panels. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

### ACA004A
**Lifting, and Bracing Safety**
**Units:** 1.5
This class will describe the lifting procedures and accident preventions measures necessary to safely raise and place tilt-up panels. Students will be introduced to various types of bond breakers used in the industry. Product catalogs will be used to review the proper use of each product. Safety practices on the connection points and bracing of wall panels will be discussed in detail. Manufactures specification on specific hardware used to secure temporary braces will also be covered. Students will review all safety aspects of rigging and setting panels with the crane. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

### ACA004B
**Poured-in-Place Wall Forms**
**Units:** 1.5
This course provides instruction for poured-in place wall systems and will highlight decorative finish applications. Both basic formwork procedures and additional techniques to create embellished wall details on finished concrete surfaces will presented. Students will identify materials such as exposed aggregate, faux veneers, and various artistic impressions used to create architectural features as part of the finished surface design. The importance of formwork alignment and reinforcement will be emphasized during manipulative exercises. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

### ACA004C
**Print Reading**
**Units:** 1.5
This course introduces basic visualization skills needed for reading and interpreting construction prints. Views, elevations and the role of specifications as they relate to insulation details on prints will be discussed. An awareness of sustainable and green building practices will be covered during the course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

### ACA005
**Mass Timber Framing**
**Units:** 1.5
This course presents the theory, methods and procedures required in mass timber construction. Hands on practice using proper tool techniques and appropriate material will enhance fundamental skills development. Beginning with prints, the students will perform elevations, rig, signal, hoist and erect a two-story structure consisting of GLT post and beams and CLT shear walls, decks, and stairs sections. In addition to an overview of fall protection and rigging as they pertain to mass timber construction. All participants will receive SWCTF Rigging Qualification Training
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

### ACA005A
**Wall-Column Forms/Cutting and Burning**
**Units:** 1.5
This course presents the forming methods and techniques used in the construction of reinforced concrete walls and columns. Form design, print reading, estimating, and hands-on projects for single and double waler forming systems will be included. Students will be introduced to safe operating and cutting procedures for the oxygen-acetylene torch. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

### ACA005B
**Site Work/Curb and Gutter**
**Units:** 1.5
This course covers the forming methods and techniques used in the construction of site work, curbs and gutters. Site work layout, elevation, and construction practices will be presented. Jobsite safety, print interpretation, material identification and site preparation will be included in the training. Students will construct sidewalk, curb and gutter forms to prints specifications. Open Entry/Open Exit.
**Transferability:** Not transferable

**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA005C
**Specialized Forms and Rigging**
**Units:** 1.5
This course will instruct students in the construction of specialized forms used to create exterior architectural design feature on tilt-up buildings. An emphasis will be placed on interpretation of design feature details on prints, location of rigging points, and building methods for selected forms. In addition to concrete calculations, practical assignments will focus on rigging safety, load formulas, lifting hardware and procedures. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA021A
**Orientation**
**Units:** 2
This course provides an overview of the construction industry, safety overview, with focus on tool identification and use. Upon successful completion, students will receive OSHA 10 Hour and Powder Actuated Tool Certifications.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# ACA021B
**Safety and Health**
**Units:** 2
This course will provide safety and health training that meets the needs of the carpenter in the construction industry. The content of the course will include certification in 16 hr. Scaffold, Financial tools for the trade, Hand and power tool safety will also be covered. Former Title: ACA021B - Safety and Health Certifications (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA021C
**Basic Wall Framing**
**Units:** 1.5
This course presents wall construction theory, methods, and procedures required to frame basic residential walls. Practical experience using proper tool techniques and appropriate materials will provide students with fundamental skill development. An introduction to print reading will prepare students to locate measurements for determining wall lengths and size of openings. Students will perform basic wall layout tasks, use plating procedures, and assemble and brace framing before aligning and completing the selected wall construction project to industry standards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA021E
**Tool and Equipment Applications**
**Units:** 1.5
This course will provide safety and health training that meets the needs of the carpenter in the construction industry. The content of the course will include certifications in Construction Fall Protection and American Red Cross First Aid/CPR/AED. Hand and power tool safety will also be covered. Former Title: ACA021E - Tool/Equipment Applications (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA022A
**Commercial Floor Framing**
**Units:** 1.5
This course covers floor joist construction and the various installation techniques used in the commercial industry. Students will interpret floor plans for job planning, identify floor joist system, and calculate material take offs. Integration of wall plating, joist layout and floor sheathing methods will be included. Instruction will incorporate measuring skills, use of math operations, specialty hardware applications, and identification of appropriate building codes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA022B
**Basic Stairs**
**Units:** 1.5
This course provides an introduction to stair framing theory, terminology and construction techniques. Students will interpret floor plans and drawing elevations for job planning, and to layout and detail stair stringers. Methods for calculating the number of stairs, landing height, stair threads and riser dimensions will be presented and practiced. Instruction will include measuring skills, mathematical principles, stair and handrail fabrication, assembly and installation. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA022D
**Exterior Finish Details**
**Units:** 1.5
In this course the terminology, design considerations and construction techniques for various types of exterior detail installations will be covered. Students will use plan views and drawing elevations for job planning activities, including calculating dimensions and materials, identifying wall covering types and other exterior construction details. Students will apply the construction techniques presented to complete various exterior detail installations to print specifications. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA022E
**Commercial Roof Framing**
**Units:** 1.5
This course provides an introduction to basic gable roof framing, terminology and construction methods. Students will interpret plan and elevation views to determine rafter systems and layout details to complete project assignments. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA023B
**Basic Roof Framing**
**Units:** 1.5
This course provides an introduction to basic gable roof framing, terminology, characteristics and construction methods. Students will interpret print views and drawing elevations for job planning, and to determine rafter systems and layout details. Basic rise, run, rafter angles and length calculations will be practiced. Framed wall construction will be incorporated to facilitate the gable roof assembly techniques and installation procedures that are the focus of this training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA023C
**Advanced Roof Framing**
**Units:** 1.5
This course provides the advanced skills used to frame hip roof types, and includes terminology, roof characteristics and construction methods. Students will interpret print views and elevations for job planning to determine hip roof rafter systems and layout details. Students will perform rise, run, rafter angles and length calculations. Framed wall construction will be incorporated to facilitate the hip roof assembly techniques and installation procedures that are the focus of this training.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA024A
**Basic Commercial Framing**
**Units:** 1.5
This course provides an introduction to basic wall framing theory and commercial construction techniques. Floor plan interpretation will be used by students for job planning, design recognition, and to determine materials. Students will layout and detail wall plates for locating basic wall components and door openings typically found on commercial projects. Instruction will include measuring skills, mathematical principles, wall assembly and installation procedures, and detail how structural connections are made. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA024B
**Advanced Commercial Framing**
**Units:** 1.5
This course incorporates advanced commercial wall framing theory and construction techniques with structural hardware and shear panel installation. Students will interpret floor plans for job planning to layout and detail plates for complex wall configurations, rake walls and wall openings. Instruction will include measuring skills, use of mathematical principles, wall construction, plywood shear panel installation, and structural hardware attachment. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA024C
**Panelized Roofing**
**Units:** 1.5
This course covers the structural components and building techniques associated with heavy timber construction and panelized roof systems. The advantages and types of manufactured wood used, and their load carrying strength, span, and spacing will be discussed. A distinction between standard post and beam, and heavy timber construction will be emphasized. Students will interpret floor plan, section views and drawing elevations for job planning to layout and construct a heavy timber post and beam supported panelized roof. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA024D
**Transit Level and Laser**
**Units:** 2
This course covers the terminology, optical principles, and operating procedures for the transit and laser levels. The conventional methods for measuring angles, using degrees, minutes, and seconds on veneer scales will be included in the transit portion of this class. Student will set up levels, determine benchmarks, take and record elevation readings. Former Title: ACA024D - Transit Level/Laser (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 18 **Lab Hours:** 22

# ACA024E
**Total Station I**
**Units:** 2
This course discusses the evolution of survey and layout instruments and the advantages of using a total station for building layout over traditional methods. Students will set up a total station and configure the software. Exercises will include working in teams to stake out points and record point data using the total station. Equipment maintenance and troubleshooting are also discussed. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# ACA025
**Welding Fabrication**
**Units:** 1.5
This course provides an introduction to the layout, cutting, and basic welding skills used in the fabrication process. The students will practice using oxy-acetylene equipment and accessories to setup, cut, shape, grind, weld, file, heat and bend metal parts. Training will include fundamental arc welding techniques to fabricate project components. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA025A
**Foundations and Flatwork**
**Units:** 1.5
This course covers the design and function of several types of foundations and concrete flatwork. The methods, techniques and procedures for formwork layout, elevation, and construction will be presented and applied by students during practical assignments. Jobsite safety, print interpretation, material identification, and basic use of the builders' level will be included in the training. Students will construct three selected formwork projects. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA025C
**Advanced Stairs**
**Units:** 1.5
This course is designed to enhance the students' existing skills in the construction of basic stairs. Students will interpret floor plans and drawing elevations for job planning, and to layout and construct complex stair designs. Stair calculations will be adapted to determine the number of stairs, landing height, stair thread and riser dimensions. In addition to measuring skills, mathematical principles, stair and handrail fabrication and assembly, the installation techniques required for circular and u-shaped stair configurations will be covered. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA025D
**Advanced Printreading**
**Units:** 2
This course introduces basic visualization skills needed for reading and interpreting construction prints. It will identify the various components of a typical drawing and highlight their significance. Views, elevations and the role of specifications as they relate to prints will be discussed. Reducing dependency on nonrenewable resources, the practice and benefits of green building will also be included. Students will complete a basic layout using information from a typical print for a commercial project. Former Title: ACA025D - Advanced Print Reading (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 32 **Lab Hours:** 8

# ACA026A
**Tilt-Up Panel Construction**
**Units:** 1.5
This class will cover layout techniques and building procedures for commercial structures using the tilt-up panel construction method. Various wall types, position, and sequence for raising panels will be discussed. Students will be able to explain the importance of layout methods in squaring panel formwork.  A focus will be placed on identifying specific types of openings and on the location of finish floor and roof lines on prints. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA026B
**Wall Forming**
**Units:** 1.5
This course covers the skills and procedures for forming reinforced concrete walls using single and double waler systems.  Students will identify the characteristics and application of built-in-place, per-fabricated, and specialty forms. Practical exercises will prepare students for locating wall forming information on project plans, calculating layout dimensions, and for estimating material requirements. Basic wall panel forming and reinforcement methods, material preparation, and hardware installation are included in training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA026C
**Gang Forms and Columns**
**Units:** 1.5
This course presents the formwork types and construction methods for gang form and column installations. Discussions will cover heavy timber gang forms and use of taper ties, bracing, and bulkhead tables. The course project will include gang and column formwork construction, assembly, and hardware installation tasks. Related safety, math and print reading will be covered in the training. Former Title: ACA026C - Gang Forms/ Columns(Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA026D
**Abutments**
**Units:** 1.5
This course provides formwork construction skills for the abutment support structure used in most bridges and heavy highway projects. Students will identify abutment anatomy and will be instructed on footing layout, form detailing, and construction techniques used in the industry. Terminology, components, form materials, building code requirements and sequence of construction will be presented. Students will work collaboratively to complete an abutment formwork project including keyway, panel, head wall and wing wall construction. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA027C
**Beam and Deck Forming**
**Units:** 1.5
This course will introduce the use of various woods, and patented forming systems for construction of concrete beams and decks. Students will identify formwork types and installation techniques including calculating materials and setting beam & deck forms. Metal beam forms and capitals will be highlighted. Additionally, layout and builders level skills will be used in this class. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA027D
**Stairs and Ramp Forming**
**Units:** 1.5
Provides related and supplemental instruction for apprentice carpenters in the areas of the various techniques to form stairs and ramp structures; related safety, mathematics, and blueprint reading. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA028A
**Bridge Construction**
**Units:** 1.5
This course provides students with an overview of bridge types and the skills required to perform standard bridge construction tasks. Students will be able to describe the purpose and function of exterior and interior girders, edge forms, bulkheads and hinge forms. Bridge formwork project will include panel construction, assembly, and hardware installation tasks. Related safety, math and print reading will be covered in the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA028C
**Intermediate Commercial Framing**
**Units:** 1.5
This course enhances basic wall framing theory, and wall construction techniques are applied at increased skill levels. A review of basic wall framing and floor plans used for job planning, design recognition, and materials lists is included. Students will layout and detail wall plates for locating basic wall components and door openings. Instruction will include measuring skills, mathematical principles, wall assembly and installation procedures, and detail how structural connections are made. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA028E
**Bridge Falsework**
**Units:** 1.5
This course will focus on bridge falsework construction. The techniques for bent assemblies, base sub-assemblies, deck soffits and hardware installation will be presented. Falsework tasks will include rigging and alignment techniques. Related safety, math and print reading will be covered in the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA029A
**Rigging**
**Units:** 1.5
This course presents both lifting theory and practical rigging methods and procedures. The design, characteristics and safety working load of lifting hardware will be discussed. Rigging attachment procedures, lifting equipment, limits of operation and communication practices will be covered. Upon successful completion, students will be issued United Brotherhood Of Carpenters (UBC) Rigging Qualification Cards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA029BJ
**Rigging Qualification Studies - Journeyworker**
**Units:** 0.5
This course provides an overview of lifting theory and the practical rigging methods and procedures required to maintain industry credentials. Rigging standards, procedures and communication practices will be covered. Upon successful completion, a student will be issued United Brotherhood of Carpenters (UBC) Rigging Qualification Cards.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Carpenter Union Member
**Lecture Hours:** 8 **Lab Hours:** 0

# ACA029C
**Solar Installer Level 1**
**Units:** 1.5
This course will provide workers with an industry overview and outlook for photovoltaic (renewable) energy production. Key terms and concepts of photovoltaic system operations will include solar cell technology, photovoltaic (PV) array configuration, series and parallel circuits, testing equipment, inspection, balance of system components, mounting methods, and applicable codes. Practical training will cover site analysis, system orientation based on site location, safety concerns, utilization of construction tools and skills for rooftop and ground mount system installations. Upon successful completion, students will receive a United Brotherhood of Carpenters (UBC) Solar Installer Level 1 Qualification Card.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA030A
**Standard First Aid**
**Units:** 0.4
Enables carpenters to cope with accidents and emergency situations with the goal of protecting and saving lives. American Red Cross certificate available upon successful completion. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 5.75 **Lab Hours:** 2.25

# ACA033A
**Cabinet Millwork and Assembly**
**Units:** 1.5
This course details cabinetry fabrication from design and function through the complete production process. An emphasis will be placed on print interpretation, job planning and proper construction sequence. Countertops and hardware styles and types will be discussed. Students will use the methods and procedures presented to build a typical base unit. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA033B
**Cabinet Installation**
**Units:** 1.5
This comprehensive course covers cabinet installation from establishing the design layout to attaching countertops. To enhance student's skill level an emphasis will be placed on print interpretation, job planning and proper installation sequence. Students will use the methods and procedures presented to install typical upper and lower cabinetry units and countertops. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA033C
**Show Case and Loose Store Fixtures**
**Units:** 1.5
This course includes basic cabinetmaking construction techniques for the installation of commercial store fixtures. Students' skill level will benefit from an emphasis placed on measuring, leveling, hand and power tool use, and safety. Students will interpret prints and material bills for the store fixture components included in the course project. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA033D
**Molding and Trims**
**Units:** 1.5
This course covers how moldings and trims are utilized to finish exterior and interior construction design features. Product styles, characteristics, applications, and installation methods are included in the discussions. The tools techniques for cutting, coping and installing various molding and trim types are presented and practiced throughout the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA034A
**Plastic Laminates**
**Units:** 1.5
This course covers installation of plastic laminates including function and design. Suitable materials, styles, and textures will be identified. Students will review prints to determine laminate type and calculate quantities. Installation methods and techniques for drop edge and back splash together with cleaning and repair will be emphasized. A countertop will be designed and installed to specifications. Correct use of tools and other equipment will be stressed. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA034B
**Solid and Stone Surfaces**
**Units:** 1.5
This course covers both basic and advanced assembly and installation techniques for solid surface, natural stone and manufactured materials. Various products, designs, materials, accessories, and safety considerations will be included. Students will use the procedures presented to fabricate countertops with backsplash, and create a design inlay. Open Entry/Open Exit.
***Previous Title:*** Apprenticeship Carpentry 034B, Solid Surface and Stone Countertops (2017)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA034C
**Stair Trim**
**Units:** 1.5
This course covers how various trims are utilized to finish stair construction design features. Product styles, characteristics, applications, and installation methods are included in the discussions. The tools techniques for cutting and installing selected trim types are presented and practiced throughout the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA034D
**Doors and Door Hardware**
**Units:** 1.5
This course covers the installation process for several types of security and exit door hardware. Discussion of electrical and card reader systems will be included. An emphasis will be placed on print interpretation, codes, door schedules, symbols, and hardware recognition. Students will use the methods and procedures presented to install selected door and hardware systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA035C
**Exit and Electrical Security Devices**
**Units:** 1.5
This course will highlight the classification, types, models, codes, and uses for accident hazard exit ("panic") devices. A range of security products and door hardware used in the industry such as crossbars, latches, flush bolts, and kick plates will be discussed. Proper selection, installation and adjustment techniques for selected devices will be covered. Students will complete installation and adjustment of two types of exit devices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA040CJ
**Scaffold Erector, Standard 40 Hour - Journeyworker**
**Units:** 1.5
This course will cover the basic techniques and procedures associated with frame, system, and tube and clamp scaffolds. Upon successful completion, a student will be issued a United Brotherhood Carpenters (UBC) Scaffold Qualification Card.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Carpenter Union Member
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA040EJ
**Scaffold Erector, Systems Scaffold - Journeyworker**
**Units:** 0.6
This course provides the required instruction in basic techniques and procedures associated with system scaffold components and focuses on terminology, component identification, construction practices, and safety considerations. Students will erect typical configurations to industry standards using system scaffold components. Upon successful completion, a student will be issued a United Brotherhood Carpenters (UBC) Scaffold Qualification Card. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Carpenter Union Member
**Lecture Hours:** 8 **Lab Hours:** 8

# ACA041A
**Powered Industrial Truck Operator - Rough Terrain**
**Units:** 0.4
This course covers an overview for safe operation of rough terrain lift trucks for the construction industry, Code of Federal Regulations (CFR), and training requirements. Upon successful completion, students will be issued an United Brotherhood of Carpenters (UBC) Powered Industrial Truck Operator-Rough Terrain (RT) Qualification Card. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 6 **Lab Hours:** 2

# ACA041B
**Powered Industrial Truck Operator - Industrial Terrain**
**Units:** 0.4
This course covers an overview for safe operation of industrial lift trucks for the construction industry, Code of Federal Regulations (CFR) regulations, and training requirements. Upon successful completion, a student will be issued an United Brotherhood of Carpenters (UBC) Powered Industrial Truck Operator-Industrial Truck (IT) Qualification Card. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 6 **Lab Hours:** 2

# ACA061A
**Acoustical Ceilings**
**Units:** 1.5
This course provides an introduction to basic acoustical ceiling installation. Acoustical theory, engineering, and applicable building and seismic codes requirements will be covered. Students will install acoustical ceilings to industry standards using the proper techniques and procedures. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA061B
**Advanced Acoustical Ceiling Layout**
**Units:** 1.5
This course identifies the advanced layout methods used to complete complex acoustical system installations. Students will use the skills presented to complete selected multifaceted acoustical ceiling layout projects as part of this course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA061C
**Advanced Acoustical Ceiling Installation**
**Units:** 1.5
This course identifies the advanced layout methods used to complete complex acoustical system installations. Students will use the tool and framing techniques presented to complete selected multifaceted acoustical ceiling layout projects. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA062
**Standard Acoustical Grids**
**Units:** 1.5
This course covers various grid patterns considered as standard for acoustical ceilings in the interior system construction industry. The methods and procedures used to form the patterns are the key focus of the course. Students will install several standard acoustical grid patterns to print specifications using the proper techniques and procedures. Open Entry/Open Exit.
**Transferability:** Not transferable

**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA063

**Suspended Ceilings**
**Units:** 1.5
Provides instruction covering the installation of suspended ceilings in various configurations and will include both radius and square wall drywall suspension methods. Students will complete selected suspended ceiling installations using the techniques presented. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA064

**Acoustical Soffits**
**Units:** 1.5
Provides instruction covering the construction of acoustical soffits in various configurations and will include square and slant faced, tapered, concealed, drywall suspension and sloped soffits methods. Students will complete selected acoustical soffit installations using the techniques presented. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA065

**Prefab/Sound Panels**
**Units:** 1.5
This course will focus on the technical knowledge and skills needed for the installation of prefabricated wall and ceiling panel systems. Students will use the proper techniques and manufacturers' guidelines to install various types of prefabricated wall and ceiling panels. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA066

**Concealed/Glue-Up/Staple-Up Systems**
**Units:** 1.5
This course illustrates the design flexibility of concealed, semi-concealed ceilings and soffits using glue-up and staple-up systems. Students will employ the glue-up and staple-up techniques presented to install concealed grid ceiling system. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA067

**Designer and Specialty Trims**
**Units:** 1.5
This course covers specialty skills needed to produce professionally finished edges for designer ceiling installations. Students will use the techniques presented to produce multiple ceiling edge contours using the compasso trim system. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA068

**Metal Pan and Security Systems**
**Units:** 1.5
This course will focus on design, function and installation of metal pan and security systems incorporated into construction of suspended ceilings. Students will demonstrate the ability to installation these components to direct wire and indirect channel suspension ceiling grid systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA071A

**Orientation**
**Units:** 2
This course is designed to introduce apprentices to the Southwest Mountain States Carpenters Training Fund Program. The content of the course will include: tools for the trade, reading tape measure, safe and proper use of hand tools, trade related math, power tools, power actuated tools, job procurement, and OSHA 10 certification. 
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA071B

**Safety and Health**
**Units:** 2
This course will provide safety and health training that meets the needs of the carpenter in the construction industry. The content of the course will include certification in 16 hr. Scaffold, Financial tools for the trade, Hand and power tool safety will also be covered. Former Title: ACA071B - Safety and Health Certifications (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA071C

**Tool and Equipment Applications**
**Units:** 1.5
This course will provide safety and health training that meets the needs of the carpenter in the construction industry. The content of the course will include certifications in Construction Fall Protection and American Red Cross First Aid/CPR/AED. Hand and power tool safety will also be covered. Former Title: ACA071C - Tool/Equipment Applications (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA072A
**Basic Metal Framing**
**Units:** 1.5
Provides students with an overview of the use of metal framing materials in construction of building interiors. A comparison of metal framing and typical wood framing techniques will be presented. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA072B
**Basic Lathing**
**Units:** 1.5
This course presents the basic framing and lathing methods used in the industry for exterior/interior installations. The course will focus on exterior waterproofing, lath, and trim installation procedures. Students will use the skills presented to complete an exterior lathing project as part of this course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA072C
**Advanced Lathing**
**Units:** 1.5
This course presents advanced methods and application techniques for lath and trim products used on exterior-interior metal framing. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA073A
Framing Ceilings and Soffits
**Units:** 1.5
This course identifies the materials used and their application for various types of fire rated walls, ceilings and soffits. It presents methods and procedures used for layout and template development. Drywall and trim applications are discussed. The types of tools used and their associated safety, applied math and print reading fundamentals are reviewed. Students will use the skills presented to complete a ceiling and soffit project as part of this course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA073B
**Framing Suspended Ceilings**
**Units:** 1.5
Provides instruction covering the installation of circular ceilings with drops, and drywall suspension in both square and circular grids. Students will complete selected suspended ceiling installations using the techniques presented. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA073C
**Framing Curves and Arches**
**Units:** 1.5
This course provides instruction in framing methods for curves and arches and their related structural limitations. It identifies the various wall and ceiling types and the layout principles, and materials used for each Lath applications and trim are also discussed. Students will use the skills presented to complete a framing project that includes curves and arches. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA074A
**Printreading**
**Units:** 2
This course introduces basic visualization skills needed for reading and interpreting construction prints. It will identify the various components of a typical drawing and highlight their significance. Views, elevations and the role of specifications as they relate to prints will be discussed. Reducing dependency on nonrenewable resources, the practice and benefits of green building will also be included. Students will complete a basic layout using information from a typical print for a commercial project. Former Title: ACA074A, Print Reading (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 32 **Lab Hours:** 8

# ACA074B
**Advanced Print Reading**
**Units:** 2
This course introduces basic visualization skills needed for reading and interpreting construction prints. It will identify the various components of a typical drawing and highlight their significance. Views, elevations and the role of specifications as they relate to prints will be discussed. Reducing dependency on nonrenewable resources, the practice and benefits of green building will also be included. Students will complete a basic layout using information from a typical print for a commercial project.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 32 **Lab Hours:** 8

# ACA074C
**Air Moisture and Barrier Installation**
**Units:** 1.5
This course will demonstrate how properly installed air, moisture, and thermal barrier systems can improve energy efficiency. Hands-on exercises will primarily focus on interior wall sealing and taping techniques. Open entry/open exit. 
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA075A
**Light Gage AWS A**
**Units:** 1.5
This course covers light gage welding methods and techniques. American Welding Society (AWS) welding processes, symbols, materials and safety procedures will be presented. An emphasis on hands-on experience will reinforce proper use of the welding procedures applicable to the interior systems industry. Students will develop the practical skills needed to pass the AWS Light Gage Certification Welding Test. Former Title: ACA075A - Light Gage Welding AWS - A(Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA075B
**Light Gage Welding LAC**
**Units:** 1.5
This course covers light gage welding methods and techniques. American Welding Society (AWS) welding processes, symbols, materials and safety procedures will be presented. An emphasis on hands-on experience using 6010 electrodes will reinforce proper use of required welding procedures, and ability to perform welding tasks used to complete the Los Angeles City (LAC) certification process. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA075C
**Light Gage AWS B**
**Units:** 1.5
This course covers light gage welding methods and techniques. American Welding Society (AWS) welding processes, symbols, materials and safety procedures will be presented. An emphasis on hands-on experience will reinforce proper use of the welding procedures applicable to the interior systems industry. Students will develop the practical skills needed to pass the AWS Light Gage Certification Welding Test. Former Title: ACA075C - Light Gage Welding AWS - B (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA076A
**Basic Hand Finishing**
**Units:** 1.5
This course is designed to develop basic hand finishing skills using the correct tools and materials. The training will include terminology and description of finishing levels, hand tool manipulation techniques, material identification and selection criteria. Manufacturer’s guidelines will highlight the environmental conditions for proper mixture preparation and use. Key discussions will draw attention to typical finish issues, causes, and solutions frequently employed. Tool techniques and application sequence and will be explained and demonstrate. The importance of mixture consistency and proper coating sequence will be stressed during level four hand finishing exercises. Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA076B
**Automatic Finishing Tools**
**Units:** 1.5
This course will advance the methods, applications and sequences of the bazooka, skim boxes, nail spotters and angle boxes. Students will be required to demonstrate the ability to tape in different situations and the ability to coat all field and butt joints. The levels of finishing and the various finish trims will be discussed. The operation of automatic taping and finishing machine tools including those newly introduced to the industry will be covered. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA077A
**Drywall Installation-Finish Trims**
**Units:** 1.5
This course will focus on the skills needed to properly handle and install drywall used in specialized applications including fire resistance, sound control, and life safety. Layout, cutting, attachment procedures and productivity techniques will be discussed and practiced under jobsite conditions. Drywall finishing methods will be incorporated into hands-on activity. Open entry/Open Exit. 
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA077B
**Advanced Hand Finishing**
**Units:** 1.5
This course will focus on advanced methods and applications using hand tool techniques. The proper sequence of operation, phases and materials to be used in order to produce a higher level finished product to industry standards. Curved and radius wall characteristics for finish levels will be discussed. The course will cover wall frame components, materials used, surface preparation, and application methods. Students will complete a project to a Level Five standard. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA077C
**Advanced Automatic Finishing Tools**
**Units:** 1.5

This course will advance the methods, applications and sequences of the bazooka, skim boxes, nail spotters and angle boxes. Students will be required to demonstrate the ability to tape in different situations and the ability to coat all field and butt joints. The levels of finishing and the various finish trims will be discussed. The operation of automatic taping and finishing machine tools including those newly introduced to the industry will be covered. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA078B
**Advanced Metal Framing**
**Units:** 1.5
This course will begin with a quick review of basic metal framing followed by detailed procedures for framing curved, serpentine, and elliptical non load bearing partitions. Using standard light gage components and other materials, students will learn advanced techniques to expedite work processes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA078C
**Wet Wall Finishes**
**Units:** 1.5
This course presents industry methods, mediums, and typical application of wet wall finishes. The training will include terminology and description of industry standard finishing levels; application tool types and techniques, material identification and selection. Manufacturer's guidelines will highlight the environmental conditions for proper mixture preparation and use. Key discussions will draw attention to typical finish issues, causes for defects, and solutions frequently employed, and emphasize the selection and use of low volatile organic compounds (VOC) products. The importance of mixture consistency, proper coating sequence will be stressed during wet wall finishing exercises. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA078D
**Ceiling and Soffit Finishing**
**Units:** 1.5
This course is designed to develop an advanced level of finishing skill for applications with architecturally detailed ceilings and soffits. Students will be required to determine type and quantity of materials for various designs and differentiate between levels of finish. Guided practice with a combination of hand and automatic tool techniques will promote manipulative ability required for a successful result. A variety of finish trims will be integrated into each method of finish. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA079A
**Drywall Acoustical Ceilings**
**Units:** 1.5
This course identifies the materials and methods used for acoustical ceilings combined with drywall installation. Seismic codes, materials, and requirements are also reviewed. Green building rating systems will be applied to selected acoustical and drywall materials. Installation for various grid systems will be discussed. Students will use the skills presented to complete a drywall-acoustical ceiling project. Former Title: ACA079A - Drywall and Acoustical Ceilings(Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA079C
**Drywall Applications**
**Units:** 1.5
This course will focus on the needed skills to properly handle and install drywall used in specialized applications including fire resistance, sound control, and life safety. Layout, cutting, attachment procedures and productivity techniques will be discussed and practiced under jobsite conditions. Drywall finishing methods will be incorporated into the hands-on activity.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA082B
**S/B Firestop/Fireproofing Procedures**
**Units:** 1.5
This course covers various firestop/fireproofing systems and methods used as fire protection and fire control. Key discussions will highlight applicable fire codes and industry standards for testing firestop/fireproof methods. Manufacturer's guidelines will identify application tool anatomy, instruction for job preparation, loading instructions, operating procedures, maintenance and care of equipment. Basic descriptions of penetration types and the materials used, including non-combustibles and B-Expands, will be covered. Students will apply and test firestop/fireproofing material in a controlled environment. Open Entry/Open Exit.
***Former Title:*** Apprenticeship Carpentry 082B, Firestopping Procedures (2020)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA082C
**Decorative Trims and Textures**
**Units:** 1.5
This course provides advanced hand and automatic tool finishing techniques used to apply decorative trims and special surface textures. Training includes product information for metal, paper, plastics and art beads. Special attention will be given to coating and sanding sequence of field and butt joints for selected surface textures. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA083
**Door and Door Frames**
**Units:** 1.5
An introduction to the doors and door frames used in the interior systems industry. The course discussions will incorporate applicable regulations governing door openings and door selection. Hardware, controlling and locking devices, and door layout and installation techniques will be included. Basic math and print reading will be covered as will tool-related safety concerns. Students will use the skills presented to complete a selected door and door frame installation project as part of this course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA086A
**Exterior Insulation Finish Systems**
**Units:** 1.5
This course is an introduction to exterior insulation finish systems including terminology, definitions, specifications, and properties. It will deal with reinforcing mesh installation and the application of insulation board. Application methods and techniques for primers and finishes will be presented. Students will use the skills presented to complete an EIFS installation project as part of this course. Former Title: ACA086A - Exterior Insulation Finish Systems (EIFS)(Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA089
**Freeform Lathing**
**Units:** 1.5
This course provides a comprehensive study of the theory and techniques used for the development of freeform lathing projects. This course will enable students to interpret gridline drawings; layout and build lath cage work and apply the appropriate lath(s) to achieve the desired or designed form or structure. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA090
**Residential Steel Stud Framing**
**Units:** 1.5
Provides the related and supplemental instruction required for interior systems apprentices in the new technology of cold-formed light gage steel framing for the residential market.  Methods of constructing a structural floor, wall and truss system. Open Entry/ Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA091
**Drywall Repair and Finishing**
**Units:** 1.5
This course presents industry methods, materials, and typical applications for drywall repair and finishing. Training will include terminology and descriptions of industry-standard repair and finishing practices as well as application tool types and techniques, material identification and selection. Manufacturer guidelines will highlight the environmental conditions necessary for proper mixture preparation and use. Key discussions will address common repair and finishing issues, their causes and solutions, and emphasize the selection and use of low-VOC products. The importance of mixture consistency and proper coating sequence will be stressed during hands-on drywall repair and finishing exercises.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA092
**Machine and Hand Applied Textures**
**Units:** 1.5
Training includes product information for texturing materials and application techniques. Special attention will be given to coating procedures for both machine and hand application methods using selected surface textures. Students will explore environmentally safe products and materials.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 10 **Lab Hours:** 30

# ACA094J
**Confined Space - Journeyworker**
**Units:** 0.8
This course covers both CAL-OSHA and Federal Occupational Safety and Health Administration (OSHA) regulation for safe access, entry and monitoring for confined space work. Upon successful completion, a student will be issued United Brotherhood of Carpenters (UBC) Confined Space Qualification Card.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Carpenter Union Member
**Lecture Hours:** 12 **Lab Hours:** 4

# ACA095
**Water Treatment Facilities**
**Units:** 1.5
This course provides instruction in the detailing, layout and construction of concrete formwork and waterstop used in water treatment facilities. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACA096
**Building Envelope Principles**
**Units:** 1.5
This course presents advanced lathing methods and application techniques for building envelop products used on exterior-interior walls. Building envelope elements, various air barriers styles, material types and substrates will be analyzed in both discussions and lab activities. Proper Installation and finishing methods will be demonstrated. Students will apply moisture and thermal berries using the techniques presented to complete course projects. Field trips may be required. Open entry/open exit course.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# ACA097
**Exterior Metal Frame**
**Units:** 1.5
This course presents advance lathing methods and application techniques for lath and trim products used on exterior metal framing. Metal framing elements, various bead styles, lathing types and substrates will be analyzed in both discussions and lab activities. Proper leveling and finishing

methods will be demonstrated. Students will apply lath and trim using the techniques presented to complete course projects.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

# ACA101
**Carpenters Apprenticeship Work Experience Education (WEE)**
**Units:** 1-4
This course supports on the job training and learning objectives established by the student, on site supervisor, and professor to meet the goals and objectives of the Carpenters Joint Apprenticeship and Training Committee (J.A.T.C.). Students will leverage their classroom knowledge and complete work experience hours at approved training sites aligned with their career goals. One (1) unit of credit requires 54 hours of paid or unpaid work experience. Students may earn 1 to 4 units, repeatable up to a maximum of 14 units per Title 5, Section 55253. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state indentured apprentice.
**Lecture Hours:** 0 **Lab Hours:** 54-216

# ACPD021
**Orientation**
**Units:** 1.5
This course examines fundamental trade skills, employee-employer roles and responsibilities, and safe work practices needed for entry level performance for pile drivers in the construction industry. While an emphasis will be placed on attaining standard industry safety credentials, the course is designed to provide students with practical experience using construction terminology, math operations and basic measuring techniques, and tool identification and use in preparation for the next level of training. Safety will cover OSHA training for jobsite hazard recognition, accident prevention, and safe tool and equipment operation. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 30.08 **Lab Hours:** 10.08

# ACPD022
**Safety and Health**
**Units:** 2
This course will provide safety and health training that meets the needs of the carpenter in the construction industry. The content of the course will include certification in 16 hr. Scaffold, Financial tools for the trade, Hand and power tool safety will also be covered. Former Title: ACPD022 - Safety and Health Certifications (Summer 2025). 
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPD023
**Tool/Equipment Applications**
**Units:** 1.5
This course promotes hand/power tool and equipment skill development for various construction applications. Scaffold building and aerial lift safety and operating procedures will also be covered. Upon successful completion, students will be issued United Brotherhood of Carpenters (UBC) Aerial Lift and Scaffold Erector-Welded Frame Qualification Cards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD024A
**Piles and Hammers A**
**Units:** 1.5
This course provides an overview of the types of piles used in construction as load-bearing support for commercial buildings, bridges, and piers when ground stratum is insufficient in strength. The rigging methods, driving techniques, and pile hammers utilized in the installation process will be presented. Students will use the proper procedures to install a lap-joint wood sheet pile system during this part of the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD024B
**Piles and Hammers B**
**Units:** 1.5
This course provides an overview of the types of piles used in construction as load-bearing support for commercial buildings, bridges, and piers when ground stratum is insufficient in strength. The rigging methods, driving techniques, and pile hammers utilized in the installation process will be presented. Students will use the proper procedures to install a tongue and groove wood sheet pile system during this part of the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD026A
**Falsework A**
**Units:** 1.5
As part one of two courses, training will focus on bridge falsework construction. The techniques for bent assemblies, base sub-assemblies, deck soffits, and hardware installation will be presented. The procedures presented will include timber construction methods and alignment techniques to install and level base and bent assemblies. Students will develop skills using sand jacks, transit levels, and rigging procedures to set corbels, beams, and posts. Related safety, math, and print reading will be covered in the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD026B
**Falsework B**
**Units:** 1.5
As part two, this course continues the focus on box girder bridge falsework construction. The techniques for bent assemblies, base sub-assemblies, deck soffits, and hardware installation will be reviewed. During this part of the training, procedures will include setting and installation of deck soffit assemblies. Students will develop skills using layout and rigging procedures to set and secure cap beams, stringers and joists support. Related safety, math, and print reading will be covered in the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD027A
**Abutment A**
**Units:** 1.5
This course provides students with the skills needed to layout abutment formwork and construction of footings to industry standards. A close look at assembly components will describe key terms and abutment anatomy. The importance of earth strata in the construction of footings, piers, and retaining walls will be covered. The techniques for laying out keyway centerline and footing formwork construction will be the main focus during this part of abutment training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD027B
**Abutment B**
**Units:** 1.5
This course provides students with the skills needed to layout, and to construct abutment wall panel formwork to industry standards. A close look at assembly components will describe key terms and abutment anatomy. The importance of earth strata in the construction of footings, piers, and retaining walls will be covered. The techniques for layout, and keyway, wing/headwall panel formwork construction will be the main focus during this part of abutment training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD028A
**Bridge and Deck Forms A**
**Units:** 1.5
This course provides students with an overview of basic bridge and deck construction. Descriptions for exterior and interior girders; edge forms; bulkheads; hinge and deck forms will be presented. Bridge and deck formwork projects will include bridge panel construction, assembly, and hardware attachment tasks. Related safety, math, and print reading will be covered in the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD028B
**Bridge and Deck Forms B**
**Units:** 1.5
This course provides students with an overview of basic bridge and deck construction. Descriptions for exterior and interior girders; edge forms; bulkheads; hinge and deck forms will be presented. Bridge and deck formwork projects will include bridge panel construction, assembly, and hardware attachment tasks. Related safety, math, and print reading will be covered in the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD029A
**Structural Welding A**
**Units:** 1.5
This course provides students with an overview of metallurgy, oxyfuel practices, and shielded metal arc welding. This course will focus on shielded metal arc welding in two different welding positions. Upon completion the student may have the opportunity to obtain their AWS/WABO certification. Former Title: APCD 029A, Structural Welding-AWS A (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPD029B
**Structural Welding B**
**Units:** 1.5
This course provides students with an overview of flux-core arc welding, submerged arc welding, and welding qualification and certification. This course will focus on electrode types, fluxes, techniques, and flux-core arc welding in two different welding positions. Upon completion the student may have the opportunity to obtain their AWS/WABO certification. Former Title: ACPD 029B, Structural Welding-AWS B (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPD030
**Print Reading**
**Units:** 2
This course introduces print reading skills as a basic communication tool of the trades. The material covered will focus on developing the students' ability to interpret two-dimensional views in such a way to convey the shape and characteristics of construction elements, and provide an overview of the scope of the project. Students will be able to recognize standard drawing methods, pictorial views, and how to read visual and verbal communication cues. Students will develop skills through a series of exercises including identifying parts of drawings, locating the building, pier, and heavy highway features, calculating dimensions, and using views to determine construction methods. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# ACPD031A
**Welding Fabrication**
**Units:** 1.5
This course is designed as an introduction to layout, basic oxyacetylene cutting, plasma arc cutting, and air carbon arch cutting and gouging, basic metal fabrication. This course will focus on oxyacetylene cutting, and fabrication tools, layout and weld symbols. Former Title: ACPD 031A, Welding Fabrication A (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPD031B
**Welding Fabrication B**
**Units:** 1.5
This course provides an introduction to fabrication skills using oxygen/acetylene torch and arc welding equipment. A review of arc welding principles will cover equipment parts identification, gas characteristics, arc welding accessories, and electrodes, safe operating and inspection criteria, and manufacturer’s guidelines for use and care of the machinery. Instruction will include inspection, torch set-up, criteria for welding machine settings, applications for electrodes use, and identification of applicable symbols and codes. An emphasis will be placed on interpreting fabrication drawings, cutting stock materials, and torch heating and welding of parts. The importance of fire and shop safety, reading and monitoring of equipment gages and settings, and following project instructions will be stressed during welding fabrication exercises. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPD032
**Introduction to Welding**
**Units:** 1.5
This course provides a comprehensive introduction to the fundamentals of welding, exploring various techniques, processes, and applications. Students will gain hands-on experience and theoretical knowledge essential for understanding the role of welding in pile driving work processes and applications.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPD033A
**Rigging A**
**Units:** 1.5
This course provides a comprehensive exploration of crane rigging principles and practices essential for safe and effective lifting operations. Participants will gain an in-depth understanding of the various types of cranes, rigging equipment, hardware and associated terminology.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPD033B
**Rigging B**
**Units:** 1.5
This course presents both lifting theory and practical rigging methods and procedures. Rigging attachment procedures, lifting equipment, limits of operation and communication practices will be covered. Upon successful completion, students will receive a UBC Rigging Qualification Card.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPD034
**Marine Safety**
**Units:** 1.5
This course focuses on waterborne Derrick Cranes; safety is emphasized throughout this course. The course will cover the most common types of derricks used in the industry today. Major components and characteristics of each piece: inspection and safety operations of individual equipment, current rules and regulations governing derricks and equipment.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPD035
**Dock Systems**
**Units:** 1.5
This course is designed to familiarize the students with the equipment, materials, techniques, designs and basic engineering for the installation of caissons, coffer dam, and fender systems. Mooring systems, docks, wharfs, piers and offshore structures.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

# ACPL023
**Tool/Equipment Applications**
**Units:** 1.5
This course promotes hand/power tool and equipment skill development for various interior systems construction applications. Aerial lift safety and operating procedures, and scaffold building will also be covered. Upon successful completion, students will be issued the United Brotherhood of Carpenters (UBC) Aerial Lift and Scaffold Erector-Welded Frame Qualification Cards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL025
**Basic Plastering**
**Units:** 1.5
This course covers common terms, safety procedures, building codes, and basic plastering production practices. Students will compare and use lath and plastering products for installation projects. Finish levels and hand

tool manipulation will be covered with an emphasis on proper hawk and trowel techniques. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL026

**Exterior Plastering**
**Units:** 1.5
This course is designed to provide the students with the methods, procedures, and practices used in Exterior Plastering. Special attention will be given to Portland Cement Plaster. Mixing and proportions, curing rates, and quality workmanship will be included. Students will enhance their plastering application and tool manipulation skills with guided practice in the scratch coat, brown coat, and a variety of finish coats. Training will conclude with inspection criteria for evaluating coat levels. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL027

**Dot and Screed Techniques**
**Units:** 1
This course is designed to teach the apprentice the importance of plumb and square projects. The students will use 3-4-5 or center line methods to square the project, establish control lines and wall finish lines. The plumbing of the project will be learned through the dotting and screeding portion of instruction. The student will brown up and finish a project using methods of application previously covered. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL028

**Interior Plastering**
**Units:** 1.5
This course is designed to introduce the student to modern gypsum interior plastering. They will learn the most widely used systems today. Proper methods of application, proper proportioning and mixing, and good workmanship will be stressed in this course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL029

**Tender and Plastering Equipment**
**Units:** 1.5
This course covers the terminology, components, and operating procedures for plastering equipment and machinery. Machine maintenance, safety, troubleshooting procedures, limits of operation, and communication practices will be covered. Students will inspect and properly set up and clean a plastering pump. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL030

**Exterior Insulation Finish Systems (EIFS)**
**Units:** 1.5
This course will teach the basic working knowledge and technical skills needed to successfully install Exterior Insulation and Finish Systems (EIFS) to meet industry specifications and standards. Introduction to the proper usage of products and materials will be discussed and used. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL031

**Ornamental Plastering**
**Units:** 1.5
This course provides practical experience using applied geometry for plastering ornamental designs. Students will use the plastering skills presented to create molds and complete an ornamental installation to print specifications. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL032

**Plastering Equipment Application**
**Units:** 1.5
This course identifies the materials, application methods, and techniques for operating a plaster pump. Students will complete a three-coat work application to industry standards. An emphasis will be placed on proper pump set-up, washout, and maintenance. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL033

**Finish Applications**
**Units:** 1.5
This course covers the coating techniques for various types of finishing materials used in the plastering industry. Students will review construction drawings and specifications to identify finish materials and surface placement. Instruction will include mixing proportions, consistency, additives, and application procedures. The techniques for cement-based, acrylic and specialty materials will be the focus of the class. Students will coat multiple surfaces using the correct material and finish details on project prints. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# ACPL034

**Theme Plastering**
**Units:** 1.5
This course is designed to encourage the development of artistic skills and the ability to plan and execute the plastered imitation of natural rock formations. Students will study irregular surfaces, cracks, and color variations of real rock formations to aid the creative process. Students will employ specialty tooling and material techniques to replicate live like

rock features. Painting, highlighting, and carving skills will be explored and utilized to complete assignments. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN021
**Orientation**
**Units:** 2
This course provides an overview of the construction industry, safety, and green building awareness. Upon successful completion, students will receive Occupational Safety and Health Administration (OSHA) 10 hour and Powder Actuated Tool certification, and United Brotherhood of Carpenters (UBC) Fall Protection qualification cards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# AIN022
**Safety and Health Certifications**
**Units:** 2
This course covers the safe and appropriate use of scaffolds, aerial lift and fork lift equipment, and emergency response procedures. Upon successful completion, students will be issued American Red Cross First Aid and cardiopulmonary resuscitation (CPR) certification and United Brotherhood of Carpenters (UBC) scaffold, Aerial Lift and Forklift Qualification Cards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# AIN023
**Insulation Basics**
**Units:** 1.5
This course provides an introduction into insulation as an energy efficiency technology and covers common types of insulating products and typical industry applications. Job planning, preparation and personal protective equipment will be included in performance exercises. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN024
**Construction Methods**
**Units:** 1.5
This course presents the theory, methods, and procedures required to frame basic walls. Hands-on practice using proper tool techniques and appropriate materials will enhance fundamental skill development. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN025A
**Print Reading**
**Units:** 2
This course introduces basic visualization skills needed for reading and interpreting construction prints. Views, elevations and the role of specifications as they relate to insulation details on prints will be discussed. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# AIN025B
**Advanced Print Reading**
**Units:** 2
In this course, students will analyze multi-view drawings to determine construction type, locate benchmark and building elements; review codes, references, and perform calculations for construction/insulation planning. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# AIN026
**Sound Control and Weatherstripping**
**Units:** 1.5
This course explores building construction systems and materials used to control sound. How sound travels and/or is absorbed by building materials will be presented. Practical experience will be gained during installation of wall systems, weatherstripping, and insulating materials designed to absorb, diffuse, disperse and/or control sound. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN027
**Flexible Foam Insulation**
**Units:** 1.5
This course covers the identification of flexible foam materials, installation methods, and industry applications. The procedures and tool techniques used to fabricate and install several types of equipment covers using flexible foam insulation will be presented and practiced shop floor exercises. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN031
**Green Building and Weatherization**
**Units:** 1.5
This course explains in detail building envelope science. Audit procedures, as well as testing and reporting mechanisms used to measure inefficiencies will be covered. Training will provide novice workers with fundamental skills to properly install the beneficial ["green"] and cost effective energy efficient retro-fits for residential buildings. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN032
**Specialty Insulation**
**Units:** 1.5
This course describes insulation systems materials and installation methods that usually performed by specialty contractors. Instruction will include refrigeration, curtain walls, plenums, access hatches, and spray systems. Students will calculate and prepare materials, and utilize the proper installation techniques during shop exercises. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN033
**Energy Audit**
**Units:** 1.5
This course covers the building envelope-science, audit procedures, testing and reporting mechanisms used to measure inefficiencies and identify beneficial and cost effective energy efficient retro-fits for residential buildings. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN034
**Firestop/Fireproofing Procedures**
**Units:** 1.5
This course will focus on the correct methods, technical skills, and firestop/fireproofing materials required in the work place today. Strict building codes mandate the importance of certified training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN035
**Infiltration and Moisture Control**
**Units:** 1.5
This course covers air infiltration and how it affects the energy efficiency of a building, as well as the techniques, strategies and insulation installation skills designed to prevent energy loss, and damage due to condensation and infiltration described as "moisture build up" inside the building envelope. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN036
**Loose Fill and Spray Insulation**
**Units:** 1.5
This course presents the differences between batt, ridged, loose-fill, and spray types of thermal insulation. The product distinctions, thermal advantages, and variation of typical installation practices will be covered. An in depth discussion of safety precautions and operating procedures for spray equipment and blow rigs (trucks) used in loose fill applications will be presented. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN037
**Rigid Foam and Cellular Glass Insulation Installations**
**Units:** 1.5
This course covers the identification of rigid and cellular glass materials, installation methods, and industry applications. The proper handling and installation techniques for molded and extruded polystyrene foam boards, and cellular glass insulation will be stressed during shop exercises. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AIN041
**S/B Crew Lead Training**
**Units:** 2.5
This course covers the supervisory and leadership skills required for professional development, including the typical work processes, communication methods, motivational concepts, and problem-solving techniques, that when employed, result in the efficient and effective management of construction projects. Open Entry/Open Exit.
***Former Title***: Apprenticeship Insulation 041, Supervisory Training (2020)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 40 **Lab Hours:** 0

# AIN043
**Tool/Equipment Applications**
**Units:** 1.5
This course promotes hand/power tool and equipment skill development for various construction applications. Scaffold building and aerial lift safety and operating procedures will also be covered. Upon successful completion, interior systems students will be issued United Brotherhood of Carpenters (UBC) Aerial Lift and Scaffold Erector-Welded Frame Qualification Cards. Open Entry/Open Exit.

**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Insulator apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF021

**Orientation**
**Units:** 2
This course provides an overview of the construction industry, safety, and green building awareness. Upon successful completion, students will receive Occupational Safety and Health Administration (OSHA) 10 Hour and Powder Actuated Tool Certifications, and United Brotherhood of Carpenters (UBC) Fall Protection Qualification Card. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# AMF022

**Safety and Health Certifications**
**Units:** 1.5
This course promotes hand/power tool and equipment skill development for various construction applications. Scaffold building and equipment operating procedures will also be covered. Financial and life skills will be presented to help them survive in the construction industry. Upon successful completion, students will be issued United Brotherhood of Carpenters (UBC) Scaffold Erector-Welded Frame Qualification Card. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF023

**Modular Cabinets, Doors and Drawers**
**Units:** 1.5
This course details cabinetry fabrication from design and function through the complete production process. Students will use the methods and procedures presented to build a typical base unit. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF023C

**Tool/Equipment Applications**
**Units:** 1.5
This course promotes hand/power tool and equipment skill development for various construction applications used in the installation of modular furnishings. Scaffold building and Aerial lift safety and operating procedures will also be covered. Upon successful completion, students will be issued United Brotherhood of Carpenters (UBC) Aerial Lift and Scaffold Erector-Welded Frame Qualification Cards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF024

**Introduction to Modular Furnishing**
**Units:** 1.5
This course introduces the students to modular furnishing design concepts. Students will identify the elements that are incorporated into a basic educational design for functionality, productivity and durability. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF025

**Educational and Seismic Installations**
**Units:** 1.5
This course showcases modern modular furnishing designs for creating interactive educational spaces. In addition, students will be presented with state and local seismic codes, and those that are site specific for schools, hospitals and/or required by building engineers. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF026

**Hospital Modular Installations**
**Units:** 1.5
Modular furnishing design concepts for hospital environments will be a focus of this course. Students will identify job planning and "best practices" procedures to facilitate special requirements for installations in the healthcare industry. Multi-Station layouts, components, specialty accessories, and finishes will be included. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF029

**Wall and Overhead Attachments**
**Units:** 1.5
This course will highlight the use of various wall and overhead attachments and explain how they are integrated into the modular designed space. Students will identify the wall and overhead elements that are incorporated into a multi-station design using selected manufacturers' products.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF030

**Crew Lead Customer Service Training**
**Units:** 2.5
This course covers the supervisory and crew leadership skills required for professional development in the modular furnishing industry. An emphasis will be placed on the importance of providing excellent customer service. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 0

# AMF031
**S/B Modular Pre-Cut Glass: Handling and Installation**
**Units:** 1.5
This course covers the applications, methods, and procedures required to install modular glass products. Learn hands-on practice using proper tools, product handling techniques and appropriate sequence of installation will provide students with fundamental skills. Open Entry/Open Exit.
***Former Title:*** Modular Glass: Handling and Installation (2020)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF032
**Basic Framing and Retro-Fits**
**Units:** 1.5
This course presents the methods and procedures required to frame basic walls for retro-fit of modular interior spaces. Hands-on practice using proper tool techniques and materials will provide experience in the framing and finishing of a basic wall. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMF034
**Solid Surface and Stone Countertops**
**Units:** 1.5
This course covers both basic and advanced assembly and installation techniques for solid surface, natural stone, and manufactured materials. Various products, designs, materials, accessories, and safety considerations will be included. Students will use the procedures presented to fabricate countertops with backsplash and create a design inlay. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW021
**Orientation**
**Units:** 2
This course provides an overview of the construction industry for millwrights, 16-hour safety, and green building awareness. Successful students will receive Occupational Safety and Health Administration (OSHA) 10 Certification and United Brotherhood of Carpenters (UBC) Millwright 16-Hour Safety Qualification Cards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# AMW022
**Safety and Health**
**Units:** 2
This course covers the following subjects which include certifications: First Aid/CPR/AED, Routh Terrain and Industrial Forklift, Math, and Power Tools Former Title: AMW 022, Safety and Health Certifications (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# AMW023A
**General Skills**
**Units:** 1.5
This course covers the following subjects Human Performance qualification, introduction to precision tools, fabrication, drilling, and tapping. ***Former Title:*** AMW023A - Millwright General Skills - A (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 8 **Lab Hours:** 32

# AMW023B
**Millwright General Skills - B**
**Units:** 1.5
Building on basic machine shop skills, students will use hand and power tools, shop equipment and precision instruments to complete various machining operations. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW024
**Printreading**
**Units:** 2
Learn the terminology, such as alphabet of lines, dimensioning types and methods. Explains the types of views used in creating prints and their purpose. Learn to interpret information and dimensions on several types of prints needed to locate, fabricate, weld, and install equipment. Identify and sketch various surface features on a print. Former Title: Apprenticeship Millwright 024, Printreading (2020)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# AMW025
**Welding Fabrication**
**Units:** 1.5
This course is designed as an introduction to layout, and basic welding and fabrication. The students will be introduced to the basic skills of measuring, equipment set-up and cutting, shaping, grinding, welding, filing, heating and bending of metal parts. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW026
**Cutting and Burning**
**Units:** 1.5
This course provides safety instruction, equipment operation, and basic skills needed for successful layout and fabrication of metal parts using an oxy-acetylene torch. Open Entry/Open Exit.

**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW027
**Precision Optics**
**Units:** 1.5
This course covers the use of precision optical tooling used by millwrights for installation and alignment of equipment. Students will learn through lecture and hands on activities with precision optical levels, jig transits, and theodolites. Former Title: AMW027 - Optics and Machinery Alignment (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# AMW028
**Machinery Shaft Alignment**
**Units:** 1.5
This course covers the terms, characteristics, and methods for aligning machine shafts. Conventional dial indicator and computer aided methods will be included in the training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW029A
**Structural Welding A**
**Units:** 1.5
This course provides students with an overview of metallurgy, oxyfuel practices, and shielded metal arc welding. This course will focus on shielded metal arc welding in all welding positions. Upon completion the student may have the opportunity to obtain their AWS/WABO certification. Former Title: AMW029A - Structural Welding - AWS A (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 8 **Lab Hours:** 32

# AMW029B
**Structural Welding B**
**Units:** 1.5
This course provides students with an overview of flux-core arc welding, and welding qualification and certification. This course will focus on electrode types, fluxes, techniques, and flux-core arc welding in all different welding positions. Upon completion the student may have the opportunity to obtain their AWS/WABO certification. Former Title: AMW029B - Structural Welding - AWS B(Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# AMW030
**Rigging Hardware and Procedures**
**Units:** 1.5
This course presents both lifting theory and practical rigging methods and procedures. Rigging attachment procedures, lifting equipment, limits of operation and communication practices will be covered. Successful students will receive United Brotherhood of Carpenters (UBC) Rigging Qualification Cards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 30 **Lab Hours:** 10

# AMW031
**Turbine Familiarization**
**Units:** 1.5
Students will explore the machines and auxiliary equipment used in the power production industry. This course will highlight the function and performance of a typical gas turbine, and will include hydraulic bolting procedures. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW032
**Pumps**
**Units:** 1.5
This course will cover the identification, application, and installation skills for typical systems found in the petro-chemical industry. Demonstrations and practice exercises will focus on pump types, gaskets, seals and fans. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW033
**Conveyor Systems**
**Units:** 1.5
This class will cover proper installation, alignment procedures, belt splicing, and explain how improper installation affects the maintenance and lifespan of equipment and conveyor systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW034
**Drives, Pulleys and Belts**
**Units:** 1.5
Installation techniques focusing on power drive systems and equipment arrangements. Key skills presented will include system specifications, component identification and equipment alignment. Shop projects will focus on belt, chain and gear drive installations. Open Entry/Open Exit.

**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW036A

**Machinery Installation and Erection - A**
**Units:** 1.5
As an introduction, students will explore the machinery used in the manufacturing and package handling industry. Component descriptions and machine drawings illustrate the complex details and important considerations for assembly/disassembly tasks. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW036B

**Machinery Installation and Erection - B**
**Units:** 1.5
This course will enhance machinery installation skills used in manufacturing applications. Exercises will focus on the importance of machine drawings to identify component tolerances and installation requirements and alignment of parts. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW037

**Gas Turbine**
**Units:** 1.5
Learn the proper procedures for disassembly and reassembly of a gas turbine. The student will get hands on training on how to safely remove all combustion section parts. During this course students will unbolt, jack up and rig all the turbine components. They will learn the proper use of all tools required to check internal clearances of the turbine. Safety and quality will be a main emphasis of this course. Former Title: AMW037 - Turbine Maintenance(Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright-apprentice
**Lecture Hours:** 10 **Lab Hours:** 30

# AMW039

**Compressors**
**Units:** 1.5
This course covers gas compressors including types, theories, maintenance, and installation. Students will learn about centrifugal, axial flow, reciprocating, and rotary compressors. The student will disassemble, inspect and reassemble a reciprocal compressor. Former Title: AMW039 - Compressor Theory and Maintenance (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# AMW041A

**Alignment A**
**Units:** 1.5
This course covers information required to identify, select, and perform the standard machinery alignment procedures used by Millwrights.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student has to be a state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

# AMW041B

**Alignment B**
**Units:** 1.5
This course offers a comprehensive analysis of coupled rotating machinery systems, providing practical guidelines for solving complex alignment tasks fast and accurately.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be a state indentured apprentice.
**Lecture Hours:** 16 **Lab Hours:** 24

# AMW042A

**Rigging A**
**Units:** 2
This course provides a comprehensive exploration of crane rigging principles and practices essential for safe and effective lifting operations. Participants will gain an in-depth understanding of the various types of cranes, rigging equipment, hardware and associated terminology.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student has to be a state indentured apprentice.
**Lecture Hours:** 28 **Lab Hours:** 12

# AMW042B

**Rigging B**
**Units:** 1.5
This course presents both lifting theory and practical rigging methods and procedures. Rigging attachment procedures, lifting equipment, limits of operation and communication practices will be covered. Upon successful completion, students will receive a UBC Rigging Qualification Card.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student needs to be a state indentured apprentice.
**Lecture Hours:** 14 **Lab Hours:** 26

# AMW043

**Tool and Equipment Application**
**Units:** 1.5
This course covers the following subjects which includes certifications: 8 Hour Scaffold User, Mobile Elevating Work Platforms (MEWPs), precision levels, and layout. Former Title: AMW043, Tool/Equipment Application (Summer 2025)
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 24 **Lab Hours:** 16

# AMW044
**Power Transmission Systems**
**Units:** 1.5
This course covers the different types of power transmissions systems used in industry. The basic operation, trouble shooting, and maintenance of gear boxes, belt and pully systems, chain and sprocket systems, and clutch systems will be taught. Students will learn about both anti-friction bearings and friction bearings and their different uses. Proper maintenance procedures for bearings, seals, and couplings will be covered.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 18 **Lab Hours:** 22

# AMW045
**Machinery Tool Practices**
**Units:** 1.5
This course covers the use of machine shop tools including lathes, milling machines and drill presses. The students will learn the proper techniques to safely machine metal. They will utilize print reading knowledge to create a set of screw jacks.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# AMW046
**Introduction to Welding**
**Units:** 1.5
This course provides a comprehensive introduction to the fundamentals of welding, exploring various techniques, processes, and applications. Students will gain hands-on experience and theoretical knowledge essential for understanding the role of welding in millwright work processes and applications
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 16 **Lab Hours:** 24

# AMW047
**Steam Turbine**
**Units:** 1.5
Students will learn how to properly disassemble, inspect, and reassemble a steam turbine. They will also learn how steam valves work, their importance, and how to rebuild steam valves. Students will be required to safely rig and remove all major components, including the rotor of a steam turbine.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Student must be an approved state indentured apprentice.
**Lecture Hours:** 10 **Lab Hours:** 30

# AMW051
**Solar Installer Level 1**
**Units:** 1.5
This course covers the design and function of several types of solar installation. The methods, sequences and procedures for mounting layout, elevation/positioning, and assembly for solar construction will be presented to apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured Millwright apprentice
**Lecture Hours:** 20 **Lab Hours:** 20

# CHILD DEVELOPMENT - APPRENTICESHIP

# APCD107
**Apprenticeship Child Growth and Development (DS1)**
**Units:** 3
Examines the progression of development in the physical, cognitive, social, and emotional domains and identifies developmental milestones for children from conception through adolescence. Emphasis on interactions between biological processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. Field-based assignments may be required. No credit for students who have taken Child Development 107 or Psychology 157.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD108
**Apprenticeship Observation and Assessment**
**Units:** 3
Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are
emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD110
**Apprenticeship - Child, Family and Community (DS2)**
**Units:** 3
This course examines processes of socialization focusing on the interrelationship of family, school, and community and the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development. Field trips and field-based assignments may be required. No credit for students who have taken CDEV 110.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD111A
**Apprenticeship - Principles and Practices**
**Units:** 3
An examination of the historical context and theoretical perspectives of developmentally appropriate practices in early care and education.

Examines the role of the early childhood educator, identifying best practices for environmental design, curriculum, and teaching strategies. Explores teacher-child relationships, professional ethics, career pathways, and professional standards. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD111B

**Apprenticeship - Introduction to Curriculum for Young Children**
**Units:** 3
Developmentally appropriate curriculum and environments for children birth through age eight. Students will use knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice to plan environments and curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD112

**Apprenticeship - Health, Safety and Nutrition for Children**
**Units:** 3
Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher’s role in prevention strategies, nutrition and meal planning, integrating health, safety, and nutrition experiences into daily routines, and overall risk management. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD116A

**Infant/Toddler Growth and Development (DS4)**
**Units:** 3
A study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. Partially fulfills the requirements for state licensing. With Child Development 116B, this class fulfills infant/toddler specialization for Child Development Center permits. Field trips and field-based assignments may be required. A negative TB test result and state-mandated immunizations are required for some fieldwork assignments and certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD202

**Introduction to Children from Special Populations**
**Units:** 3
Introduces the variations in the development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs and inclusion, and the identification and referral process.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD221

**Apprenticeship - Living and Teaching in a Diverse Society**
**Units:** 3
Examines the impact of various societal influences on the development of children's social identity. Covers developmentally appropriate, inclusive, and anti-bias approaches. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be emphasized. Field trips and field-based assignments may be required. No credit for students who have taken CDEV 221.
**Transferability:** Transferable to both UC and CSU
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APCD298A

**Apprenticeship - Practicum in Early Childhood Programs**
**Units:** 3.5
Under guided supervision in a Rancho Santiago Community College District (RSCCD) Child Development Center or approved mentor site, students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement and evaluate approaches and strategies, and techniques that promote development and learning. Field trips and field-based assignments required. A negative TB test result and state-mandated immunizations are required for certificate completion.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 32 **Lab Hours:** 80

# COSMETOLOGY - APPRENTICESHIP

# ACS035

**Cosmetology Apprentice**
**Units:** 0.5-14
Provides the related and supplemental instruction required for cosmetology apprentices leading to a cosmetology license. 0.5 unit earned for each 8 hours of successfully completed coursework. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**

**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 8-224 **Lab Hours:** 0

# ACS036
**Barbering Apprentice**
**Units:** 0.5-48
Principles and practices in barbering. Preparation for Board Examination for licensing by the State of California Board of Barbering and Cosmetology. Laboratory participation includes student demonstration that all performance objectives have been met. Basic cosmetology kit at student's expense. Open Entry/Open Exit
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice.
**Lecture Hours:** 4-385 **Lab Hours:** 12-1115

## ELECTRICIAN- APPRENTICESHIP

# AEL021
**Sound and Communication Apprentice 1**
**Units:** 4.5
Provides related and supplemental instruction for Sound Electrician Apprentices in the structure and requirements of the International Brotherhood of Electrical Workers (IBEW) and the National Electrical Contractors Association (NECA) Apprenticeship program, tools, and test instruments and electricity in Direct Current (DC) Theory Series Circuits. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 14

# AEL022
**Sound and Communication Apprentice 2**
**Units:** 4.5
Provides related and supplemental instruction for indentured Sound Electrician Apprentices in Commercial Building Telecommunications Cable Standards, Residential and Light Commercial Telecommunications Wiring and Fiber Optic Cabling. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 14

# AEL023
**Sound and Communication Apprentice 3**
**Units:** 4.5
Provides related and supplemental instruction for indentured Sound Electrician Apprentices in the International Brotherhood of Electrical Workers (IBEW), National Electrical Code, Alternating Current (AC) theory, analog and digital telephone systems and Distributed/Paging systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 14

# AEL024
**Sound and Communication Apprentice 4**
**Units:** 4.5
Provides related and supplemental instruction for indentured Sound Electrician Apprentices in commercial building grounding and bonding requirements for telecommunications, security systems and installing Local Area Networks (LAN). Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 14

# AEL025
**Sound and Communication Apprentice 5**
**Units:** 4.5
Provides related and supplemental instruction for indentured Sound Electrician Apprentices in basic semiconductor diodes, transistors and rectifiers in electronic applications and Closed Circuit Television (CCTV) distribution systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 14

# AEL026
**Sound and Communication Apprentice 6**
**Units:** 4.5
Provides related and supplemental instruction for indentured Sound Electrician Apprentices in Closed Circuit Television Cameras (CCTV), Fiber Optic Certification, and prepares students for state required Fire Alarm and Voice Data Video Exam. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 14

# AEL027
**Sound and Communication Apprentice 7**
**Units:** 4
Provides related and supplemental instruction for indentured Sound Electrician Apprentices in BICSI Certification, Tyco (AMP) ACT I, and National Institute for Certification in Engineering Technologies (NICET) Level I Fire Alarm Systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 68 **Lab Hours:** 12

# AEL028
**Sound and Communication Apprentice 8**
**Units:** 4
Provides related and supplemental instruction for indentured Sound Electrician Apprentices in Building Industry Consulting Services International (BICSI) Technician training, high pair count copper splicing, connectors for audiovisual and communications, Master Antenna Television/Cable Television Radio Frequency (MATV/CATV) Radio Frequency (RF) Broadband Distribution, National Institute for Certification in Engineering Technologies (NICET) Level II Audio Systems Technician training. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 14

# AEL031

**Intelligent Transportation Systems Electrician Apprentice 1**
**Units:** 4.5
Provides the related and supplement instruction required for apprentice electricians in the intelligent transportation industry in tools and fasteners, National Electrical Code (NEC), math, building materials, conduit bending, electrical safety and proper use of tools and ladders. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL032

**Intelligent Transportation Systems Electrician Apprentice 2**
**Units:** 4.5
Provides the related and supplement instruction for Intelligent Transportation Apprentice Electricians in Direct Current (DC) theory, the National Electrical Code, safe work practices, series circuits, combination circuits and hand bending. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL033

**Intelligent Transportation Systems Electrician Apprentice 3**
**Units:** 4.5
Provides the related and supplemental instruction for Intelligent Transportation Apprentice Electricians in Codeology, Direct Current (DC), Alternating Current (AC) and commercial blueprints. Continued study of Caltrans Plans and Specifications. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL034

**Intelligent Transportation Systems Electrician Apprentice 4**
**Units:** 4.5
Provides the related and supplemental instruction for Intelligent Transportation Apprentice Electricians in Electrical Alternating Current (AC) theory, transformers and National Electrical Code applications. Continued study of Caltrans Plans and Specifications. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL035

**Intelligent Transportation Systems Electrician Apprentice 5**
**Units:** 4.5
Provides the related and supplemental instruction required for Intelligent Transportation Apprentice Electricians in Rigging, Hoisting, Signaling, National Electrical Code, Grounding and Bonding and Electrical Safety Related Work Practices. Continued study of Caltrans Plans and Specifications. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL036

**Intelligent Transportation Systems Electrician Apprentice 6**
**Units:** 4.5
Provides the related and supplemental instruction required for Intelligent Transportation Apprentice Electricians in grounding and bonding, fire alarm systems, transformers and electrical safety-related work practices for Intelligent Transportation Apprentices. Continued study of Caltrans Plans and Specifications. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL037

**Intelligent Transportation Systems Electrician Apprentice 7**
**Units:** 4.5
Provides the related and supplemental instruction required for Intelligent Transportation Apprentice Electricians in Code Calculations, Blueprints, Electrical Grounding and Bonding and Motors. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL038

**Intelligent Transportation Systems Electrician Apprentice 8**
**Units:** 4.5
Provides the related and supplemental instruction required for Intelligent Transportation Apprentice Electricians in Code Calculations, Code and Practices and Motor Control. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL039

**Intelligent Transportation Systems Electrician Apprentice 9**
**Units:** 4.5
Ninth semester of a five-year program. Provides related and supplemental instruction in becoming a Journeyworker in the Intelligent Transportation Systems Industry. Torqueing methods and requirements for electrical equipment, Solid State Systems and OSHA 30 safety practices in construction for intelligent transportation systems apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL040

**Intelligent Transportation Systems Electrician Apprentice 10**
**Units:** 4.5
Provides related and supplemental instruction required for Intelligent Transportation Apprentice Electricians in Torqueing methods and requirements for electrical equipment, Photovoltaic Systems and OSHA 30 safety practices in construction for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL051
**Inside Wireman 1**
**Units:** 4.5
First semester of a five-year program. Provides related and supplemental instruction in tools and fasteners, National Electrical Code (NEC), math, building materials, conduit bending, electrical safety, and proper use of tools and ladders required for entry-level inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice.
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL052
**Inside Wireman 2**
**Units:** 4.5
Second semester of a five year program. Provides related and supplemental instruction in Direct Current (DC) theory, the National Electrical Code, safe work practices, series circuits, parallel circuits, combination circuits and hand bending conduit for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL053
**Inside Wireman 3**
**Units:** 4.5
Third semester of a five year program. Provides related and supplemental instruction in codeology, Direct Current (DC), Alternating Current (AC), and commercial blueprints, for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL054
**Inside Wireman 4**
**Units:** 4.5
Fourth semester of a five-year program. Provides related and supplemental instruction in electrical alternating current (ac) theory, transformers, and National Electrical Code application for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL055
**Inside Wireman 5**
**Units:** 4.5
Fifth semester of a five year program. Provides related and supplemental instruction in rigging, hoisting and signaling, national electric code, grounding and bonding, electrical safety related work practices and blueprints for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL056
**Inside Wireman 6**
**Units:** 4.5
Sixth semester of a five year program. Provides related and supplemental instruction in Grounding and Bonding, Fire Alarm Systems, Transformers and Electrical Safety Related Work Practices for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL057
**Inside Wireman 7**
**Units:** 4.5
Seventh semester of a five year program. Provides related and supplemental instruction in Code Calculations, Blueprints, Electrical Grounding and Bonding and Motors. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL058
**Inside Wireman 8**
**Units:** 4.5
Eighth semester of a five year program. Provides related and supplemental instruction in Code Calculations, Code and Practices and Motor Control for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL059
**Inside Wireman 9**
**Units:** 4.5
Ninth semester of a five year program. Provides related and supplemental instruction in becoming a Journeyworker in the Electrical Industry, Torqueing methods and requirements for electrical equipment, Solid State Devices for Motor Control and OSHA 30 safety practices in construction for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL060
**Inside Wireman 10**
**Units:** 4.5
Final semester of a five year program. Provides related and supplemental instruction in jobsite management, lighting control and photovoltaic systems for inside wireman apprentices. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 70 **Lab Hours:** 35

# AEL061
**Electrical Safety and First Aid**
**Units:** 1.5
Provides related and supplemental instruction in Occupational Safety

and Health Administration (OSHA) workplace requirements, the identification and use of safe work practices, coping with accidents and emergency situations, and one person CPR for inside wireman apprentices. American Red Cross certification available upon successful completion. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 20 **Lab Hours:** 0

## MAINTENANCE MECHANIC - APPRENTICESHIP

### AME021
**Period 1**
**Units:** 4.5
Provides the related and supplemental instruction required for the first level Maintenance Electrician Apprentice in mathematics, industrial safety and health, using hand and portable power tools, basic measurements, basic electricity, and basic mechanics. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

### AME052
**Period 2**
**Units:** 4.5
Provides the related and supplemental instruction required for the second level Maintenance Electrician Apprentice in basic principles of electricity, Direct Current (DC) circuit components and calculations, electric power and energy, batteries, electromagnetism, electrical safety in the workplace(NFPA 70E), electrical protective devices, introduction to industrial rigging for electricians, and introduction to the National Electric Code (NEC). Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 40

### AME053
**Period 3**
**Units:** 4.5
Provides the related and supplemental instruction required for the third level Maintenance Electrician Apprentice in reading blueprints, schematics, symbols, drawings and diagrams; rigging principles and practices for electricians; AC/DC equipment and controls; AC generation, transmission and distribution; over-current protective devices; and continuing education with the NEC and NFPA 70E Workplace Electrical Safety. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

### AME054
**Period 4**
**Units:** 4.5
Provides the related and supplemental instruction required for the fourth level Maintenance Electrician Apprentice in the application of code requirements; intermediate electricity; single phase motors; three phase systems; AC/DC equipment control and generators; and electrical troubleshooting skills. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 40

### AME055
**Period 5**
**Units:** 4.5
Provides the related and supplemental instruction required for the fifth level Maintenance Electrician Apprentice in the application of code requirements, variable frequency drives (VFD), VFD faults and trouble-shooting, input/output devices, semi-conductors, and power supplies. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

### AME056
**Period 6**
**Units:** 4.5
Provides the related and supplemental instruction required for the sixth level Maintenance Electrician Apprentice in the application of code re-quirements, introductory programming, programmable logic controllers (PLC), and advanced electricity. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 40

### AME057
**Period 7**
**Units:** 4.5
Provides the related and supplemental instruction required for the sev-enth level Maintenance Electrician Apprentice in water treatment plant and water distribution system operations and advanced electricity and electrical systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

### AME058
**Period 8**
**Units:** 4.5
Provides the related and supplemental instruction required for the eighth level Maintenance Electrician Apprentice in the application of code re-quirements, advanced electricity and electrical systems, maintenance and operations procedures, project planning, layout, estimating and schedul-ing. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 40

# AMM021
**Period 1**
**Units:** 4.5
Provides the related and supplemental instruction required for the first level Maintenance Mechanic Apprentice in mathematics, industrial safety and health, hand and portable power tools, basic measurements, basic electricity, and basic mechanics.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

# AMM022
**Period 2**
**Units:** 4.5
Provides the related and supplemental instruction required for the second level Maintenance Mechanic Apprentice to include awareness of electrical safety and protection; interpreting symbols and reading technical drawings; introduction to building and construction codes, standards and specifications; and introduction to metallurgy, oxygen cutting, welding and metal fabrication. Field trips may be required. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

# AMM023
**Period 3**
**Units:** 4.5
Provides the related and supplemental instruction required for the third level Maintenance Mechanic Apprentice in industrial rigging and hoisting principles and practices; basic hydraulics and pneumatics; mechanical and fluid drive transmission systems; and equipment installation, alignment, and maintenance. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

# AMM024
**Period 4**
**Units:** 4.5
Provides the related and supplemental instruction required for the fourth level Maintenance Mechanic Apprentice in pump types and applications; piping systems; pump hydraulics; tubing and hose applications, installation and maintenance; installation and maintenance pipefitting; and trouble-shooting skills.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

# AMM025
**Period 5**
**Units:** 4.5
Provides the related and supplemental instruction for the fifth level Maintenance Mechanic Apprentice to include an introduction to metallurgy; welding principles; oxy-fuel welding and cutting operations; arc welding operations; and application of welding codes and standards established by the American Welding Society. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 32

# AMM026
**Period 6**
**Units:** 4.5
Provides the related and supplemental instruction required for the sixth level Maintenance Mechanic Apprentice in machine shop safety; milling, drilling, and shaping with the mill and lathe; layout work; precision measurements; and cutting tool geometry. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 32

# AMM027
**Period 7**
**Units:** 4.5
Provides the related and supplemental instruction required for the seventh level Maintenance Mechanic Apprentice in water treatment plant operations; water distribution systems; automatic control valves; backflow prevention; surge protection; dewatering sequence; and cross connection. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

# AMM028
**Period 8**
**Units:** 4.5
Provides the related and supplemental instruction required for the eighth-level Maintenance Mechanic Apprentice in mechanical systems; maintenance and operations procedures; and project planning, layout, estimating, and scheduling. Field trips may be required. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 64 **Lab Hours:** 24

## OPERATING ENGINEERS - APPRENTICESHIP

# AOE011
**Construction Safety Inspector Apprentice 1**
**Units:** 4
Provides the related and supplemental instruction required for operating engineer apprentices in First Aid – CPR – AED, worker safety regulations and standards, and reviewing and completing safety forms and/or records. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 48

# AOE012

**Construction Safety Inspector Apprentice 2**
**Units:** 4
Provides related and supplemental instruction for state-indentured apprentices employed full-time in the operating engineer field. Covers basic safety for a worker on hazardous waste and materials project, including the General Industry Outreach 30-hour OSHA safety course. Apprentices successfully completing this course will receive up to two certifications: Occupational Safety and Health Administration (OSHA) HAZWOPER 40-hr Worker Certificate and OSHA General Industry Outreach 30-hr Worker Safety Certificate. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 48

# AOE013

**Construction Safety Inspector Apprentice 3**
**Units:** 4
Provides related and supplemental instruction for state-indentured apprentices employed full-time in the operating engineer field. Covers basic safety for a worker on an asbestos-containing and/or remediation project and OSHA disaster site worker and safety topics. Apprentices successfully completing this course will receive up to two certifications: Occupational Safety and Health Administration (OSHA) 15-hr Disaster Site Worker Certificate and AHERA Asbestos Worker 32-hour safety training course. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 48

# AOE014

**Construction Safety Inspector Apprentice 4**
**Units:** 4
Provides the related and supplemental instruction required for operating engineer apprentices in construction cranes. Covers terminology, equipment nomenclature, basic principles of operation, regulatory agencies, wire rope, and rigging, and personnel manlift safety. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 48

# AOE015

**Construction Safety Inspector Apprentice 5**
**Units:** 4
Provides the related and supplemental instruction required for operating engineer apprentices in the New Miner safety procedures of MSHA 30 CFR Part 48 B (Mine Safety and Health Administration) for surface mine operations, miner rights and responsibilities, worksite and equipment safety inspections, and all information and regulations pertaining to New Miners Rights and Responsibilities training standards. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 48

# AOE016

**Construction Safety Inspector Apprentice 6**
**Units:** 4
Provide the related and supplemental instruction required for operating engineer apprentices in employer safety program protocols, local emergency response procedures, and the duties and responsibilities of the construction building safety inspector. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 48

# AOE021

**Plant Equipment Operator 1**
**Units:** 3.5
Provides the related and supplemental instruction required for Operating Engineer Apprentices in safety, common industry terminology, operation and maintenance of equipment used in the aggregate processing industry; and emphasis on preventive maintenance. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE021J

**Plant Equipment Operator 1 - Journeyworker**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Journeyworkers in safety, common industry terminology, operation and maintenance of equipment used in the aggregate processing industry; and emphasis on preventive maintenance. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Union Member
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE022

**Plant Equipment Operator 2**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Apprentices in the safe use of oxygen-acetylene torch cutting equipment, including the procedures and techniques of brazing, soldering, and electric arc welding. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE022J

**Plant Equipment Operator 2 - Journeyworker**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Journeyworkers in the safe use of oxygen-acetylene torch cutting equipment, including the procedures and techniques of brazing, soldering, and electric arc welding. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Union Member
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE023
**Plant Equipment Operator 3**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Apprentices in safety practices, pre-shift inspection, servicing, maintenance, and heavy construction equipment operation and procedures. Introduction to Green Technologies pertaining to the Plant Equipment Operation classification. Emphasizes practical experience in performing the work processes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE023J
**Plant Equipment Operator 3 - Journeyworker**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Journeyworkers in safety practices, pre-shift inspection, servicing, maintenance, and heavy construction equipment operation and procedures. Introduction to Green Technologies pertaining to the Plant Equipment Operation classification. Emphasizes practical experience in performing the work processes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Union Member
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE024
**Plant Equipment Operator 4**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Apprentices in pneumatics, power hydraulics, filtration, piping/sealing devices, and electricity; emphasizing troubleshooting on single and three phase industrial motor control systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE024J
**Plant Equipment Operator 4 - Journeyworker**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Journeyworkers in pneumatics, power hydraulics, filtration, piping/sealing devices and electricity; emphasizing troubleshooting on single and three phase industrial motor control systems. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Union Member
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE025
**Plant Equipment Operator 5**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Apprentices in disassembly, diagnosis, repair, assembly/adjustment of cone crushers, screens, separators and belt conveyors. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE025J
**Plant Equipment Operator 5 - Journeyworker**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Journeyworkers in disassembly, diagnosis, repair, assembly/adjustment of cone crushers, screens, separators and belt conveyors. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Union Member
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE026
**Plant Equipment Operator 6**
**Units:** 5
Provides the related and supplemental instruction required for Operating Engineer Apprentices in the operation of asphalt and concrete plants, aggregate material classification and handling, bulk and silo storage, engineered batching, gradiation, and tolerance. Introduction to Operator Station and panel electrical controls used in the batching and mixing of asphalt and concrete products.Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 72 **Lab Hours:** 72

# AOE026J
**Plant Equipment Operator 6 - Journeyworker**
**Units:** 4
Provides the related and supplemental instruction required for Operating Engineer Journeyworkers in the operation of asphalt and concrete plants, aggregate material classification and handling, bulk and silo storage, engineered batching, gradiation, and tolerance. Introduction to Operator Station and panel electrical controls used in the batching and mixing of asphalt and concrete products.. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Active Union Member
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE031
**Heavy Duty Repairer 1**
**Units:** 3
Provides the related and supplemental instruction required for operating engineer apprentices in safe work practices and principles when working around or operating heavy equipment, purposes of organized labor, labor history, first aid, IUOE Local 12 structure, Labor-Management Agreement, Local 12 By-Laws, International Union of Operating Engineers (IUOE) Constitution, and basic machinery maintenance. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE032
**Heavy Duty Repairer 2**
**Units:** 3
Provides the related and supplemental instruction required for operating engineer apprentices in the basic safety practices and principles in the use of oxy-acetylene cutting equipment, electric arc welding equipment, and examples/techniques of brazing. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE033
**Hydraulics**
**Units:** 3
Provides related and supplemental instruction required for operating engineer apprentices in the principles of hydraulics, basic hydraulic system nomenclature, and the practical uses of hydraulics. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE034
**Advanced Hydraulics**
**Units:** 3
Provides the related and supplemental instruction required for operating engineer apprentices in hydraulic systems, pneumatic systems, and electrical/electronic systems used on heavy equipment and trucks. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE035
**Heavy Duty Repairer 5**
**Units:** 3
Provides related and supplemental instruction required for operating engineer apprentices in basic safety practices and proper maintenance procedures when working with gasoline and/or diesel engines. Specific topics include: internal combustion engine theory for both diesel and gasoline engines, use of appropriate hand tools needed for engine repair, proper procedures for engine disassembly and assembly, and troubleshooting and diagnosing engine failures. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE036
**Disassembly and Assembly**
**Units:** 3
Provides the related and supplemental instruction required for operating engineer apprentices, including: basic safety aspects and procedures of working with power transmission components of heavy construction equipment. Additional training includes: clutches, mechanical transmissions, differentials, final drives, crawler-type tractor undercarriage, and crawler-type tractor truck assemblies. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE041
**Introduction to Apprenticeship**
**Units:** 4
Provides related and supplemental instruction for state-indentured apprentices employed full-time in the operating engineers trade. Students will identify basic safety rules and procedures when operating and working around heavy construction equipment, proper safe attitudes and work ethics, personal financial planning responsibilities, history of organized labor and its structure, and the importance of wages and benefits of being a member of a local union. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 52 **Lab Hours:** 52

# AOE042
**Grade Checking**
**Units:** 4
Provides related and supplemental instruction for state-indentured apprentices employed full-time in the operating engineers field. Reviews information found on typical grading and Survey stakes, the use of colored ribbon on grade stakes, transferring elevations from one point to another, setting grading stakes for both cut and fill slopes, grading stakes for curb and streets, staking procedures for subdivisions, basic laser set-up, and basic GPS equipment set-up.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 52 **Lab Hours:** 52

# AOE043
**Equipment Operator 3**
**Units:** 4
Provides related and supplemental instruction for state-indentured apprentices employed full-time in the operating engineers field. Covers the topics of preventive maintenance and operation of heavy construction equipment, best practices and personal safety, terminology, maintenance, and operation of the following pieces of equipment: Scrapers, Dozers, Loaders, Forklifts, Compactors, Rollers, and Construction Cranes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 52 **Lab Hours:** 52

# AOE044
**Plan Reading**
**Units:** 4
Provides related and supplemental instruction for state-indentured apprentices employed full-time in the operating engineers field. Introduces the tasks of interpreting and reading plan sets consisting of: grading, infrastructure, and structural plans for roadways, subdivisions, and service utilities. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 52 **Lab Hours:** 52

# AOE045
**Equipment Operator 5**
**Units:** 4
Provide related and supplemental instruction to apprentice operating engineers on the topics of preventive maintenance and operation of heavy construction equipment, best practices and personal safety, terminology, maintenance, and operation of the following pieces of equipment: Backhoes, Excavators, Motor Graders, Finish Dozers, and slope boards, Hydraulic and Conventional Cranes. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 52 **Lab Hours:** 52

# AOE046
**Hazmat 6**
**Units:** 4
Provides related and supplemental instruction for state-indentured apprentices employed full-time in the operating engineer field. Covers basic safety for a worker on a hazardous materials project, First Aid-CPR-AED, OSHA disaster site worker, and safety topics. Apprentices successfully completing this course will receive up to three certifications: Occupational Safety and Health Administration (OSHA) HAZWOPER 40-hr Worker Certificate, OSHA Construction Industry 10-hr Worker Safety Certificate, OSHA 15-hr Disaster Site Worker Certificate, and National Safety Council (NSC) First Aid, CPR, AED Certificate. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 52 **Lab Hours:** 52

# AOE047
**Operating Engineers Hazmat 40**
**Units:** 2
Safety regulations, safe work practices for hazardous waste site operations as specified by the 29th code of Federal Regulations, 1910.120 as approved by the National Institute of Environmental Safety and Health for the International Union of Operating Engineers, for required certification. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 28 **Lab Hours:** 12

# AOE048
**Disaster Site Worker**
**Units:** 0.5
Recognizing safety hazards, health hazards, chemical, biological, radiological and nuclear defense (CBRNE) agents. Management techniques of traumatic incident stress awareness. Proper respiratory protection, personal protective equipment, decontamination procedure. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 8 **Lab Hours:** 4

# AOE054
**Tower Crane**
**Units:** 1
Provides instruction and training for operating engineers in tower cranes. Covers terminology, nomenclature, basic principles of operation, regulatory agencies, and operator safety involved with construction tower crane operation. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 16 **Lab Hours:** 16

# AOE061
**Concrete Transportation Construction Inspector**
**Units:** 4
Provides related and supplemental instruction for apprentices in the Operating Engineers field in concrete transportation construction inspections. Covers transportation systems and applications, preliminary testing, pre-placement inspection, placement inspection, post-placement inspection. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 74

# AOE062
**Asphalt Inspection**
**Units:** 4
Provides related and supplemental instruction for apprentices in the Operating Engineers field in asphalt inspection. Covers materials inspection, mix design, plant operations, placing operations, compaction, report writing, plan reading, and grade checking. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 74

# AOE063A
**ACI Laboratory Testing Technician I**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in laboratory testing on aggregates used for structural concrete. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 74

# AOE064A
**ACI Laboratory Testing Technician II**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in design parameters for batching structural concrete. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 74

# AOE071A
**Reinforced Concrete**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, reinforcing steel, blueprinting reading, gunite, report writing, people skills. Apprentices will gain the knowledge, research skills and confidence needed to pass their written and oral exams. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE072A
**Prestressed Concrete**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in reinforcing steel, codes, blueprints, stressing sheets, plan changes, report writing, people skills, job etiquette and protocol. Apprentices will gain the knowledge, research skills and confidence needed to pass their written and oral exams. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE073A
**Structural Steel/Welding**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, welding, report writing, people skills, gunite applications. Apprentices will gain the knowledge, research skills and confidence needed to pass their written and oral exams. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE073B
**Structural Steel/Bolting**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, structural bolting inspection, report writing, personal skills. Apprentices will gain the knowledge, research skills, and confidence needed to pass their written and oral exams. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE074A
**Structural Masonry**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, reinforcing steel, plan changes, people skills, jobsite etiquette and protocol, Specialty Inspector. Apprentices will gain the knowledge, research skills and confidence needed to pass their written and oral exams. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE075A
**Soils Inspection and Testing**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, calibration procedures, soil identification, methods of moisture determination, maximum density tests, sand cone testing, nuclear density testing, people skills, sieve analysis, proper vehicle setup. Apprentices will gain the knowledge, research skills and confidence needed to pass their written and oral exams. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 74

# AOE076A
**Structural Plan Reading for Inspectors**
**Units:** 4
Provides the related and supplemental instruction required for operating engineer apprentices in structural plan reading, interpretation of structural layout and design engineering for inspectors. Design, printing, and preparation guidelines as detailed in the Uniform Building Code (UBC). Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 74

# AOE077A
**ICC Soils Special Inspector**
**Units:** 4
Provides the required related and supplemental instruction required for operating engineer apprentices in the general requirements, laboratory testing, grading plans, site preparation, and fill monitoring techniques used for International Code Council (ICC) Soils Inspections. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE079
**Certified Welding Inspector**
**Units:** 3
Provides related and supplemental instruction necessary to become a Certified Welding Inspector. Topics include welding processes, heat control, welding inspections and flaws, definitions and terminology, utilization of specifications and drawings, safety, testing methods. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE080
**Structural Concrete Plan Reading**
**Units:** 3

Provides instruction for operating engineers in the design and engineering requirements of structural buildings and the fundamentals of structural concrete. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE081
**Structural Reinforced Concrete for Inspectors**
**Units:** 3
Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, reinforcing steel, plan set reading, gunite, report writing, people skills. Apprentices will gain the knowledge, research skills, and confidence needed to pass their written and oral exams. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 36

# AOE082
**Non-Destructive Testing**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in Ultrasonic, Magnetic Particle, and Liquid Penetrant Testing codes and duties, welding procedures, report writing, people skills, and testing equipment orientation. Members will gain the knowledge, research skills, and confidence needed to pass their written and oral exams as applicable to the Non-Destructive Testing requirements. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 72

# AOE083
**Fireproofing and Firestopping Inspection**
**Units:** 4
Provides the required related and supplemental instruction for operating engineer apprentices in Fireproofing and Firestopping inspection, testing codes and duties, application procedures, report writing, people skills, and testing equipment orientation. Members will gain the knowledge, research skills, and confidence needed to pass their written and oral exams as applicable to the Fireproofing and Firestopping Testing requirements. Open Entry/Open Exit.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice.
**Lecture Hours:** 52 **Lab Hours:** 52

# POWER LINEMAN - APPRENTICESHIP

# APL020
**Orientation**
**Units:** 3
Provides related and supplemental instruction required for entry-level apprentice power linemen.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 32 **Lab Hours:** 56

# APL021
**Power Lineman Apprentice 1**
**Units:** 3
Provides the related and supplemental instruction required for entry-level power lineman apprentices in the tools, math, theory, and safety required in the power lineman industry.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 52

# APL022
**Power Lineman Apprentice 2**
**Units:** 3
Provides the related and supplemental instruction in the theory, math, construction methods, and safety required for the second-level power lineman apprentice.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 52

# APL023
**Power Lineman Apprentice 3**
**Units:** 3
Provides the related and supplemental instruction for third-level power lineman apprentice with emphasis on circuits energized below 750 volts, tower erection, and street lighting systems.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 52

# APL024
**Power Lineman Apprentice 4**
**Units:** 3
Provides the related and supplemental instruction for the fourth-level lineman apprentice in underground construction, blueprint reading, splicing and sagging conductors, locating faults, and using aerial man-lift equipment.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 32 **Lab Hours:** 48

# APL025
**Power Lineman Apprentice 5**
**Units:** 3
Provides the related and supplemental instruction for power lineman apprentices in the theory, operation and installation of electrical apparatus and test equipment in power systems. Includes construction and maintenance of energized line and equipment.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 52

# APL026
**Power Lineman Apprentice 6**
**Units:** 3
Provides the required related and supplemental instruction for power lineman apprentices in the theory, installation, maintenance, and operation of electrical apparatus used for system protection, metering, power factor correction and voltage regulation.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 36 **Lab Hours:** 52

# APL041
**Work Methods Training**
**Units:** 1
Provides the required related and supplemental instruction for apprentice power lineman in safety, tools, guys and anchors, pole setting and handling, underground tools and equipment.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 8 **Lab Hours:** 32

# APL042
**Rubber Gloves Training**
**Units:** 1
Provides the required related and supplemental instruction for apprentice power linemen in tools, accident prevention rules, rubber glove guidelines and rules.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 8 **Lab Hours:** 32

# APL043
**Hot Sticks Training**
**Units:** 1
Provides the required related and supplemental instruction for apprentice power linemen in history, development, manufacture and care of hot line tools.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 8 **Lab Hours:** 32

## SURVEYING - APPRENTICESHIP

# ASV030
**Labor Relations**
**Units:** 0.5
Provides a required related and supplemental instruction for surveying apprentices in apprenticeship rules and regulations; general history of labor/management relations in the United States (US); employer/employee relations; state and federal laws affecting workers.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 8 **Lab Hours:** 0

# ASV040
**Standard First Aid**
**Units:** 0.1
Enables surveyors to cope with accidents and emergency situations with the goal of protecting and saving lives with special emphasis on those first aid skills unique to the surveying industry. American Red Cross certificate awarded upon successful completion.
**Transferability:** Not transferable
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 0 **Lab Hours:** 6

# ASV101
**Chainman Apprentice 1**
**Units:** 5
Provides the required related and supplemental instruction for apprentice surveyors in the survey industry: basic field operations and setting survey points, basic measurement techniques, introduction to field instruments, introduction to leveling, introduction to topographic surveys. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 66 **Lab Hours:** 48

# ASV102
**Chainman Apprentice 2**
**Units:** 5
Provides the required related and supplemental instruction for apprentice surveyors in apprentice responsibilities and public relations; identification of monuments; linear measurements; introduction to station and location systems; angles, bearings, and instruments; leveling methods; global positioning system; plan reading and grade sheets; introduction to construction surveys. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 72 **Lab Hours:** 36

# ASV103
**Chainman Apprentice 3**
**Units:** 5
Provides the required related and supplemental instruction for apprentice surveyors in measuring systems; angles, bearings, and location systems; calculations techniques; trigonometry for surveying; slope staking; electronic distance measuring and recording. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 69 **Lab Hours:** 30

# ASV104
**Chainman Apprentice 4**
**Units:** 5
Provides the required related and supplemental instruction for apprentice surveyors in coordinate geometry; horizontal and vertical curves; traverse surveys. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 72 **Lab Hours:** 30

# ASV105
**Chainman Apprentice 5**
**Units:** 4.5
Provides the related and supplemental instruction for apprentice surveyors in safety procedures; U.S. public land surveys; property surveys; subdivisions surveyors; topographic and photogrammetry surveys; introduction to Ground Penetrating Radar technology; introduction to drone surveys; heavy construction surveys; ALTA surveys; total stations; public relations; scope of profession and the Chief of Party program. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 66 **Lab Hours:** 24

# ASV121
**Plane Surveying and Coordinate Geometry**
**Units:** 3
Advanced field surveying principles and mathematical surveying principles including introduction and review of survey mathematics, measuring systems, coordinate geometry, and modern calculation systems. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 54 **Lab Hours:** 0

# ASV122
**Advanced Coordinate Geometry**
**Units:** 3
Advanced field surveying methods and calculation principles involving coordinate geometry, including omitted measurements, intersection problems, three-point resection problems, area calculation problems, complex circular curves, vertical curves, and spiral curves. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 54 **Lab Hours:** 0

# ASV123
**Laptop Surveying/Aerial Photogrammetry**
**Units:** 3
Advanced field surveying methods and principles involving laptop surveying, photogrammetry, and topographic surveying. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 54 **Lab Hours:** 0

# ASV124
**Plan Reading and Subdivision Surveying**
**Units:** 3
A study of plan reading and subdivision surveying principles and practices including plan reading basics; typical and unique subdivision plans; survey control; layout and staking of subdivisions; locating plan, calculation and specification errors. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 54 **Lab Hours:** 0

# ASV125
**Major Project Plans and Survey Layout**
**Units:** 3
Basic principles of construction plan reading, survey control, major project layout. Interpreting construction and survey plans of reinforced concrete multi-story buildings. In-depth analysis of structural/architectural plans. Plans/survey layout for major construction projects. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 54 **Lab Hours:** 0

# ASV126
**Control and Geodetic Surveying**
**Units:** 3
Principles/methods of control and geodetic surveying. Modern positioning systems; triangulation/trilateration for geodetic control; state plane coordinate systems; astronomy for surveyors; note keeping and computational procedures utilizing modern instruments, techniques, communications equipment; dredging and hydrographic surveys.Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 54 **Lab Hours:** 0

# ASV127
**U.S. Public Land Surveys**
**Units:** 3
A study of the principles, procedures, and methods of performing U.S. public-land surveys. Subdivision of townships and sections. Retracement of original surveys and restoration of corners. Reading and interpreting property descriptions. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 54 **Lab Hours:** 0

# ASV128
**Property Surveys and Legal Descriptions**
**Units:** 3
Principles, procedures, and methods of researching and performing property surveys. Laws affecting surveyors and ethics. Supervision and public relations. Analysis of survey data and drawing the plat. Writing descriptions of real property. Open Entry/Open Exit.
**Transferability:** Transferable to CSU only
**Entrance Skills:**
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 54 **Lab Hours:** 0

## WATER AND WASTEWATER TECHNOLOGY - APPRENTICESHIP

# APWWT136
**Introduction to Water Science**
**Units:** 3
This is an apprenticeship course that involves an overview of Water Science topics including water sources and supply, water quality and regulations, water transmission and distribution, and treatment of water

and wastewater. Discussions will include applicable science and math principles, current events, and Water careers.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT137

**Water Mathematics and Hydraulics**
**Units:** 3
This is an apprenticeship course that involves the practical application of mathematics to perform unit conversions and to calculate areas, volumes, flow rates, pressures, velocities, chemical dosages, and related hydraulic calculations used in water system operations.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT138

**Water Conservation Practitioner**
**Units:** 3
This is an apprenticeship course that involves the Theoretical and practical training in applied water use efficiency. Includes residential, commercial, and landscape customers, water uses, budgets, demand management, water audits, best management practices, rate structures, program design and management. Preparation for American Water Works Association (AWWA) Grade 1 and 2 Water Conservation Practitioner certification. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT139

**Water Reclamation and Reuse**
**Units:** 3
This is an apprenticeship course that involves the fundamentals of reclaimed water, includes case studies and history of reclaimed water development. Planning, design and construction of reclaimed distribution systems. Problems regarding marketing, legislation and regulations for reclaimed water. Includes microbiology and health/safety issues. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT140

**Water Utility Maintenance and Construction**
**Units:** 3
This is an apprenticeship course that involves overview of procedures, equipment, tools, and terminology used in water utility maintenance and construction. Topics include related math calculations and atlas map reading. This course is intended for individuals with minimal field experience who are seeking a career in the Water Industry. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT141

**Water Distribution**
**Units:** 3
This is an apprenticeship course that presents basic concepts of drinking water distribution, including water sources, water quality, and distribution system components. Water mathematics topics addressed include volume, flow rate, velocity, and chemical feeding calculations. Assists in the preparation for the California State Water Resources Control Board level D1 and D2 Water Distribution Operator certification exams.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT143

**Electrical Wiring and Controls for Operators**
**Units:** 3
This is an apprenticeship course that involves theoretical and practical skills needed to perform preventive maintenance and minor repair of basic electrical wiring and control systems used in water and wastewater facilities. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT144

**Pumps and Pumping**
**Units:** 3
This is an apprenticeship course that involves the basic pump theory, operation, and repair. Assists operators and technicians in the design, selection, installation and maintenance of various dynamic and positive displacement pumps. Topics include pumps and pump components, hydraulics, and pumping system efficiencies. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT145

**Backflow Prevention Devices**
**Units:** 3
This is an apprenticeship course that involves theory, testing, and maintenance of backflow prevention devices in water systems. Prepares the journeyman plumber, plant maintenance operator, and water utility operator to become a certified tester in Orange County. Also prepares the student for the American Water Works Backflow Prevention certification exam.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 40
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 24

# APWWT146

**Water Treatment Fundamentals**
**Units:** 3
This is an apprenticeship course that involves and presents the basic operating principles and techniques of the conventional surface water treatment process of coagulation, flocculation, sedimentation, and filtration, plus those of common disinfection processes. Assists in preparation for Grade T1 and T2 Water Treatment Operator certification examination

given by the California State Water Resources Control Board, Division of Drinking Water Programs. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT148
**Water Quality**
**Units:** 3
This is an apprenticeship course that examines basic principles of chemistry and microbiology and applies them to drinking water quality and related state and federal regulations. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT149
**Water Quality Laboratory Analysis**
**Units:** 3
This is an apprenticeship course that will present the theory and science behind common analytical methods used in drinking water and wastewater laboratories. Pertinent principles of chemistry and biology will be explored in lecture, and actual procedures will be demonstrated and conducted in the laboratory. No previous study in laboratory sciences is required. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 40
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 40 **Lab Hours:** 24

# APWWT150
**Introduction to Wastewater Treatment**
**Units:** 3
This is an apprenticeship course that provides an overview of the basic principles of wastewater treatment, including wastewater characteristics, collection systems, preliminary, primary, secondary, and tertiary treatment, wastewater recycling, and residual handling. It is intended both for students preparing to become certified wastewater treatment operators and students interested in discovering how the environmental impacts of human activities are minimized through modern wastewater treatment technologies. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:** Must be a state-indentured apprentice
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT151
**Wastewater Treatment**
**Units:** 3
This is an apprenticeship course that presents the basic operating principles and techniques of conventional wastewater treatment, including preliminary, primary, and secondary treatment processes, as well as wastewater quality assessment, wastewater collection, and wastewater disposal. Successful completion provides students with 48 Certification for Wastewater Professionals (CWEA) contact hours and 8 State Water Resources Control Board (SWRCB) educational points. Prepares students for SWRCB Wastewater Treatment Plant Operator exam-Grades 1 and 2. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:**
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT153
**Collection Systems**
**Units:** 3
This is an apprenticeship course that involves the sewer construction, inspection and testing, cleaning methods, safety, elementary hydraulics, pipeline repair, equipment maintenance, communications, and record keeping. Successful completion provides students with 48 CWEA contact hours and 4 SWRCB educational points. Preparation for CWEA Wastewater Collection System exam. Optional field trips may be offered
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:**
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT155
**California Water Resources**
**Units:** 3
This is an apprenticeship course that involves a detailed examination of the supply and demand of water in California. Topics addressed include Californias geography and climate, State history and the effects of population growth, water rights, water quality, water uses, the hydrologic cycle, groundwater, and surface water resources. Also addressed are the major water projects in the State and the government agencies responsible for these projects, including projects and agencies that provide water to Orange County. Optional field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:**
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT156
**Water Utility Management**
**Units:** 3
This is an apprenticeship course that explores various supervision and management issues of particular relevance to the Water Utility Industry, including water quality regulations, other water industry regulations, employee safety programs, facilities security, emergency response, governing body interactions, and public relations. Field trips may be required.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:**
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT242
**Advanced Water Distribution**
**Units:** 3
This is an apprenticeship course that presents advanced concepts of drinking water distribution, including water quality regulations, distribution system components, maps and records, and supervisory and management topics. Advanced water mathematics topics addressed include applied systems and pump hydraulics. Assists in the preparation for the California State Water Resources Control Board level D2, D3, and D4 Water Distribution Operator certification exams. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:**
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT247

**Advanced Water Treatment**
**Units:** 3
This is an apprenticeship course that examines advanced topics in conventional drinking water treatment processes and disinfection, as well as non-conventional treatment processes. Assists in preparation for Grade T2 and T3 Water Treatment Operator certification examination given by the California State Water Resources Control Board, Division of Drinking Water Programs. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:**
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT252

**Advanced Wastewater Treatment**
**Units:** 3
This is an apprenticeship course that presents advanced operating principles and techniques of conventional wastewater treatment. Also presents operating principles and techniques of advanced processes including activated sludge, disinfection, tertiary treatment and sludge handling. Successful completion provides student with 48 Certification for Wastewater Professionals (CWEA) contact hours and 8 State Water Resources Control Board (SWRCB) educational points. Prepares student for SWRCB Wastewater Treatment Plant Operator exam-Grades 1 through 5. Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:**
**Lecture Hours:** 48 **Lab Hours:** 0

# APWWT254

**Advanced Water Treatment Operations**
**Units:** 3
This is an apprenticeship course for the advanced water treatment operations course and presents the basic operating principles of advanced treatment processes used for potable water reuse. Processes such as membranes, ozone, biological activated carbon or biofiltration, and advanced oxidation are evaluated and discussed. Assists in preparation for the Advanced Water Treatment Operator (AWTO) certification examination given by the American Water Works Association (AWWA) and the California Water Environment Association (CWEA). Optional field trips may be offered.
**Transferability:** Transferable to CSU only
**Entrance Skills:** 48
**Limitations on Enrollment:**
**Lecture Hours:** 48 **Lab Hours:** 0

# NOTES

# NOTES

# NOTES

# NOTES



# Santiago Canyon College

8045 East Chapman Avenue • Orange, CA 92869 • **www.sccollege.edu** • 714-628-4900

## Orange Education Center

1465 North Batavia Street • Orange, CA 92867 • **www.sccollege.edu/oec** • 714-628-5900

RSCCD BOARD OF TRUSTEES: Sal Tinajero, President; Daisy Tong, Vice President; Phillip E. Yarbrough, Clerk; Tina Arias Miller, Ed.D., Member; David Crockett, Member; John R. Hanna, Member; Zeke Hernandez, Member;STUDENT TRUSTEE: Ricardo Alcaraz CHANCELLOR: Marvin MartinezSANTIAGO CANYON COLLEGE PRESIDENT: Jeannie G. Kim, Ph.D.