2025 • 2026

sccollege.edu

25 YEARS OF Excellence

SANTIAGO CANYON COLLEGE

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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 2025

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
29	30					

JULY 2025

S	M	T	W	T	F	S
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AUGUST 2025

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31						

SEPTEMBER 2025

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OCTOBER 2025

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NOVEMBER 2025

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DECEMBER 2025

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JANUARY 2026

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FEBRUARY 2026

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MARCH 2026

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APRIL 2026

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MAY 2026

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31						

JUNE 2026

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JULY 2026

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26	27	28	29	30	31	

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

A Message From The President

At Santiago Canyon College (SCC), we are dedicated to helping you succeed—both in and out of the classroom. We encourage you to take full advantage of the many resources available, whether in person or online. These services are here to support you through each term and keep you on track toward reaching your educational goals.

Whether you're a returning student continuing your journey or a new student just starting out, we are excited to have you as part of our community!

SCC is ranked #1 among community colleges in Orange County, 6th out of 116 in California, and #16 in the entire nation. That means you're getting a top-quality education!

At SCC, what happens here matters. We see each student as an individual, with unique dreams and goals. Our dedicated faculty, staff, and administrators are here to support you—both in person and online—so you can achieve your goals. Your success is our success, and we're here to help every step of the way.

If you ever need academic advice, help with a research project, or just someone to listen, our team is ready to support you. Stay engaged, ask for help when you need it, and make the most of the opportunities available. We believe in you and can't wait to see what you accomplish!

We're so happy you've chosen to be a Hawk. We're here to help you grow, succeed, and soar!

Jeannie G. Kim, Ph. D.
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
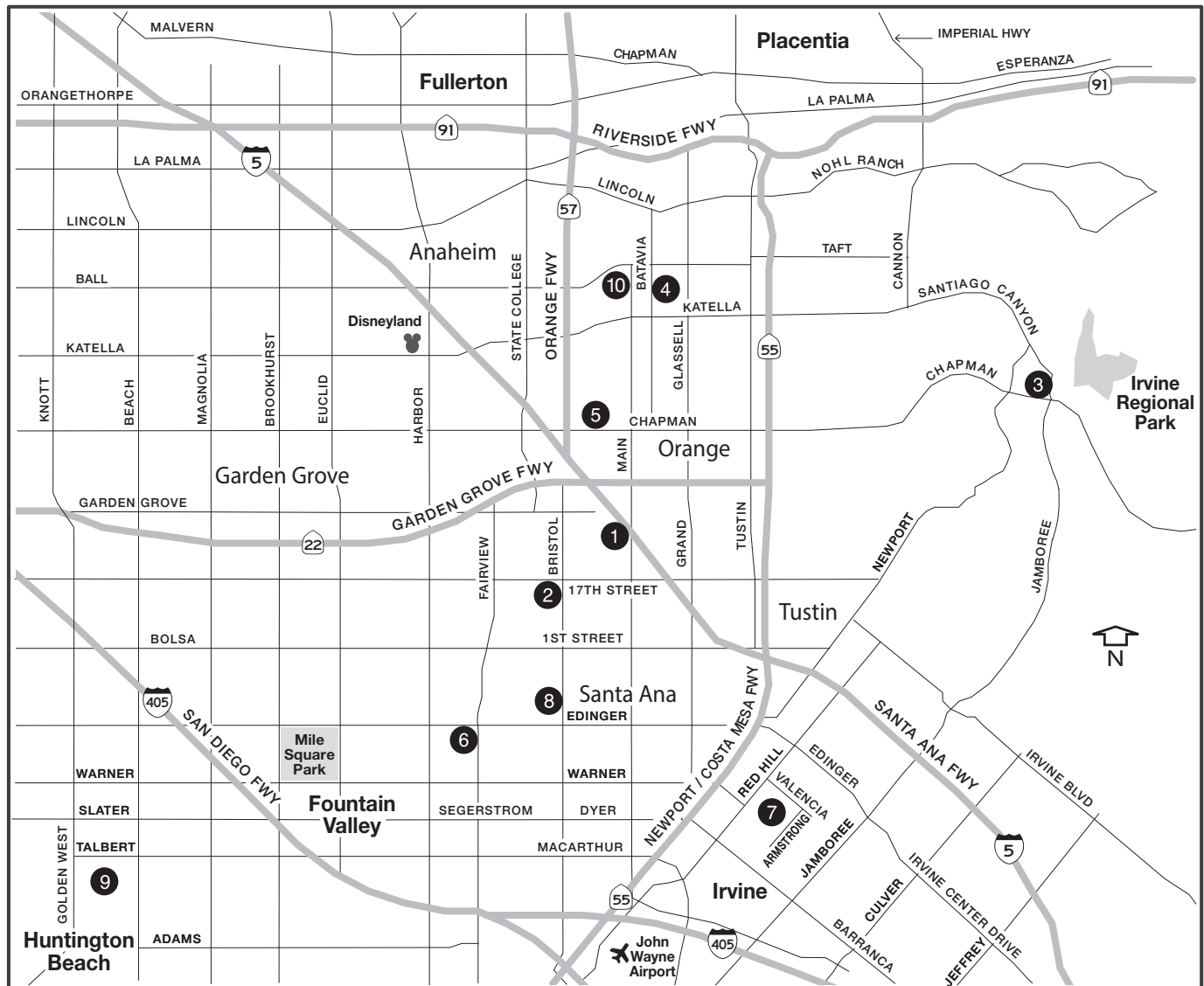
KEY TO LOCATIONS

1. RSCCD District Office
   2323 N. Broadway
   Santa Ana, CA

2. Santa Ana College
   1530 W. 17th St.
   Santa Ana, CA

3. Santiago Canyon College
   8045 E. Chapman Ave.
   Orange, CA

4. Orange Education Center
   1465 N. Batavia St.
   Orange, CA

5. OEC Provisional Education Facility
   1937 W. Chapman Ave., 2nd Floor
   Orange, CA

6. Centennial Education Center
   2900 W. Edinger Ave.
   Santa Ana, CA

7. Santa Ana College –
   Orange County Sheriff's
   Regional Training Academy
   15991 Armstrong Blvd.
   Tustin, CA

8. Digital Media Center
   1300 S. Bristol St.
   Santa Ana, CA

9. Joint Powers Fire Training Center
   18301 Gothard St.
   Huntington Beach, CA

10. College and Workforce
    Preparation Center
    1572 N. Main Street
    Orange, CA

Santiago Canyon College

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 . . . . Daisy Tong
Vice President . . . . Phillip E. Yarbrough
Clerk . . . . Zeke Hernandez
Member . . . . Tina Arias Miller, Ed.D.
Member . . . . David Crockett
Member . . . . John R. Hanna
Member . . . . Cecilia Iglesias
Student Trustee . . . . TBD - Election is in May 2025
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

Economic & Workforce Development

Assistant Vice Chancellor . . . . Adriene "Alex" Davis
Director, Orange County Regional Consortium . . . . Adriene "Alex" Davis
Executive Director–Institute for Workforce Development . . . .
Vacant2025-20262025-20262025-2026
Program Strategist . . . . Vacant

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 . . . . Maria Castellon, Jerelyn Cowan
Director–Remington Child Development . . . . Zeferina Gonzalez
Director–CEC–Child Development Center . . . . Susan Wahl
Director–SCC–Child Development Center . . . . Enriqueta Isais

Research & Planning & Institutional Effectiveness

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

Public Affairs & Publications

Chief Communications Officer . . . . Chi-Chung Keung
Manager–Graphic Communications . . . . Mary Law
Manager–Publications & Electronic Media . . . . Vacant

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
Public Information Officer . . . . Eugene Fields

College Advancement/Foundation

Director - Kathy Jennison

ADMINISTRATIVE SERVICES

Vice President . . . . Arleen Satele, Ph.D
Manager–Facilities . . . . Charles Wales
Supervisor–Custodial . . . . Gabriel Dueñas
Lieutenant–Safety & Security . . . . Francisco Prado

ACADEMIC AFFAIRS

Vice President . . . . Jason Parks, Ed.D.
Curriculum . . . . Anaisabelle Garcia, Laura Espinosa

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

Interim Dean . . . . Denise Foley
Associate Dean . . . . Vacant
Director, Special Programs . . . . Vacant
Business, Chair . . . . Steven Deeley
Child Development, Chair . . . . Regina Lamourelle, Marianne Laney
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 Works, Code Enforcement Facilitator . . . . Sergio Verino
Real Estate, Chair . . . . Alana Gates
Surveying & Mapping Sciences, Facilitator . . . . Mark Counts
TV/Video & Communications, Facilitator. . . . . David Echols
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 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 Service Office . . . . 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 . . . . Maria Chaidez, Rudy Carrion
Articulation . . . . Leonor Aguilera
Career Services. . . . . Maria Chaidez, Macey Lachman
High School & Community Outreach . . . . Loann Tran
Assessment/AB705 . . . . Dora Escobar
Transfer Success Center. . . . . Miguel Luna

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

Facilitator . . . . Rosie Gonzalez**Enrollment and Support Services**
Interim Dean. . . . . Tuyen Nguyen

Admissions & Records

Associate Dean . . . . Vacant
First Year Support Center. . . . . Alejandro Ramirez
Graduation . . . . Tiffany Garbis
International Student Program . . . . Jetza Torres
Student Information Support . . . . Sergio Rodriguez

Financial Aid

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

Disabled Students Program & Services (DSPS)

Assistant Dean . . . . K. Starr Avedesian
Chair . . . . Angela Guevara

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 . . . . Tanea Robinson

Older Adults

Coordinator . . . . Amanda Paiz

Vocational

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

Workforce Preparation

Coordinator . . . . Vacant

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 - 5:00PM
Saturday CLOSED
Sunday CLOSED

2025/26 GRADING OPTIONS:
- **Pass/No Pass:** Submit by Last Day of Instruction of the Class
- **Excused Withdrawal** Due to Extenuating Circumstances or Military Withdrawal
- Note: You may still submit this petition even if you have already withdrawn with a "W" grade. Petitions are only accepted for SCC classes.

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
- **Online Chat:** We are available to assist you via the Cranium Cafe online chat service by appointment or during posted hours on our chat page. Hours are subject to change.
- **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/SitePages/Forms.aspx
- **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 April 1

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. All students must complete their Comprehensive Education Plan (semester-by-semester plan) by the third semester but no later than completing 15 degree-applicable units. A comprehensive student education plan will detail all of the coursework required to reach a desired educational goal. 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 reformed how

placement in mathematics, English, and English as a

Second Language (ESL) courses is determined. These bill requires that

students have access to transfer-level coursework

in mathematics, English, and ESL courses. Students

planning to enroll in mathematics, English, and/or

reading courses do not need to take a placement test. Placement into these courses is provided 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 placement tool provides students with the ability to reflect on mathematics, English or ESL, and reading skills.

ADMISSION REQUIREMENTS

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 Assessment Services Website at https://sccollege.edu/students/studentservices/counseling/SitePages/ACE-ESL.aspx

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 online by clicking this link Chemistry Placement (sccollege.edu)

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

Change "Chosen Name" in Self-Service 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

ADMISSION REQUIREMENTS

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 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: $399 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 forms and instructions. 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 $10,680 US dollars. The 2025-2026 cost per unit for international students is $445 ($352 non-resident tuition + $46 enrollment fee + 47 capital outlay). The health insurance premium is $1,702.56 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

ADMISSION REQUIREMENTS

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.

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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 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 Associate Dean of Admissions, 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

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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 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 Freedom Administrative Regulation 4030 Academic Freedom Reference(s):

Title 5, Section 51023 ACCJC 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 Honesty Incident 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/2021-2022Catalog/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 Courses With 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.

As a result of AB705, a student may seek grade alleviation without course repetition when the substandard work occurred in an English or Mathematics course that is part of a remedial (pre-transfer level) sequence OR in an ACE or EMLS course that is part of the sequence leading to transfer-level English (CSU GE area A2 or IGETC GE area 1A) once the student has successfully passed the transfer-level course, regardless of the student's overall academic record since the semester in which the "D", "F", or "NP" was earned.

A student seeking alleviation under this scenario will be eligible for alleviation subject to these limitations: If a student received a grade of "C" or better or "P" in a transfer-level English course (CSU GE area A2 or IGETC GE area 1A APPROVED course), the highest grade earned shall be used when computing the student's cumulative grade point average. Grades earned in courses in a remedial English sequence pre-requisite to a transfer-level remains legible, ensuring a true and complete academic history. This petition is submitted to Admissions and Records.

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

COLLEGE POLICIES AND PROCEDURES

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

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.

COLLEGE POLICIES AND PROCEDURES

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
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 79500 Title 5 Section 55050, 55051, 55052, and 55052.5 Students 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 grade assigned 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 Program Students requesting Credit for Prior Learning using the College Level Examination

Program shall receive credit for completing a satisfactory score on a District-approved College Level Examination Program (CLEP) under the following circumstances:
- Official CLEP transcripts must be on file in 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

COLLEGE POLICIES AND PROCEDURES

recommended by the American Council on Education (ACE) Directory and approved by the appropriate discipline faculty of the college under the following circumstances:

- The student shall complete the Credit for Prior Learning assessment 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 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 District examination 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 Santa Ana 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 as recommended 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

COLLEGE POLICIES AND PROCEDURES

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)

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 66025.81 Registration 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 the current class schedule for enrollment priority dates and times.

- 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 Colleges Students 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

COLLEGE POLICIES AND PROCEDURES

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.
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

COLLEGE POLICIES AND PROCEDURES

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 Jin Interim 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 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.

COLLEGE POLICIES AND PROCEDURES

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.
- 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

COLLEGE POLICIES AND PROCEDURES

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

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/ incidentreportingform Applicable regulations, resources, and additional information can be

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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 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.

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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 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)

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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, 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

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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.

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.

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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 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):

COLLEGE POLICIES AND PROCEDURES

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.

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

Các Rancho Santiago Community College District cam kết cơ hội bình đẳng trong các chương trình giáo dục, việc làm, và tất cả các quyền truy cập 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 truy cập 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 thực tế 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 bao giờ được sử dụng cho các thành viên, hoặc cho bất kỳ sự tham gia liên quan đến thanh toán tài chính hoặc đóng góp thay mặt cho quận hoặc bất kỳ cá nhân làm việc hoặc liên kết với nó, cho bất kỳ tổ chức riêng tư có thực hành thành viên là 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 First Year 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 Success 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.

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

Counseling and Career Development at Santiago Canyon College is here to help students with the career development and exploration processes. We assist with:

- Career exploration and assistance choosing a major

- Linking college majors and training programs that meet individual student needs

- Job preparation services including:
    - Job 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 and alumni have access to Santiago Canyon College's online job and internship platform, SCC Career Hub at www.sccollege-csm.symplicity.com. 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.

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. All students must complete their Comprehensive Education Plan (semester-by-semester plan) by the third semester but no later than completing 15 degree-applicable units. A comprehensive student education plan will detail all of the coursework required to reach a desired educational goal. 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.

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 professional 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 (LD) eligibility is available at no cost to students experiencing academic difficulties that interfere with their educational progress. Students can schedule an appointment by coming to the DSPS office in E-105, by calling 714-628-4860, or by emailing dsps@sccollege.edu.

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.

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 be 18 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.

First Year Support Center

The First Year Support Center (FYSC) supports new, continuing, and returning students in their academic and social transition at Santiago Canyon College. The center strives to provide college skill sets and awareness of campus resources and to be able to integrate students into the college campus and community. The FYSC offers assistance with: applying to the college, registration for classes, filling out financial aid documentation, student portal assistance, student success workshops, undocumented student resources, etc. For more information, visit the FYSC in E-303 or call (714) 628-5085.

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: www.sccollege/foodpantry 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;

- have a cumulative GPA of at least 3.0;

- have a communication studies GPA of at

STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

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.
freshmen need to bring a high school transcript to the Counseling Department to receive a signed prerequisite clearance form prior to enrolling in an Honors class. 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 as well as a signed prerequisite clearance form.
Special Admit 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.
- Qualification for English 101 as indicated by the SCC English placement test or a score of 3 or higher on the AP English test.May not be involved in or found at fault in any disciplinary action as outlined in the SCC catalog.Meet with Honors Program Counselor once per semester for Comprehensive Educational Plan prior to Pre-Selection of Honors courses.

- Continuing College students:Students need a cumulative 3.0 GPA or higher in 6 or more units from all colleges attended. Qualification for ENGL 101 as indicated by the SCC English placement test or a score of 3 or higher on the AP English test.Have no grade lower than a "C" in any college-level Honors class.
- Meet with Honors Program Counselor once per semester for Comprehensive Educational Plan prior to Pre-Selection of Honors courses.
- 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 Honors Program Counselor once per semester for Comprehensive Educational Plan prior to Pre-Selection of Honors courses.
- Complete English 101 during the first year in the Honors Program unless ENGL 101 has already been satisfied. (ENGL 101H is recommended)
- 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 (E-100). 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. 3 units may

be completed at Santa Ana College12 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.

STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

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 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 MATHCE100 on their first visit to the MSC and immediately start using the center. Math Success Center Website. www.sccollege.edu/students/SitePages/Math-Success-Center.aspx

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 https://www.sccollege.edu/ce/counseling/Pages/Project-Rise.aspx

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 spring Summer 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 spring In 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 weeks Early Start / Late Start = 8 weeks, spans either the first 8-weeks or second 8-weeks Weekend = 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. Services of physicians and psychologists are available by appointment only. All 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 health services include the diagnosis and treatment of acute short-term illnesses, pregnancy testing and Family PACT services, which include FREE hormone based contraception, emergency contraception, cervical cancer screening, STI testing, and condoms. in addition, SHWS offers first aid care, short-term mental health counseling, health maintenance and wellness promotion literature, as well as blood pressure screening, cholesterol monitoring, tobacco cessation counseling, tuberculin skin testing, community referrals, emergency care and accident insurance coverage for course-related injuries. Refer to the class schedule for Student Health and Wellness Service hours, or call (714) 628-4773.

Student Support Services – TRIO

Student Support Services – TRIO (SSS- TRIO) is a federally funded program that supports underserved

STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

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, 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 Success Center

The Transfer Success Center provides resources and services to assist students in researching, planning, and completing their transfer to a four-year college or university. The Transfer Success 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 Success 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 expert advice from trained specialists. SCC's Counseling Department and the Transfer Success 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.

Transcripts and Program Approval

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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.

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
Alumni Network, Associated Student Government (ASG), Black Legacy Achievement Center of Knowledge (B.L.A.C.K.), Cafeteria/Student Lounge Student Clubs and Organizations, Student Life, and Leadership Umoja

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- 4913.

Description:
The Black Legacy Achievement Center of Knowledge provides students with a myriad of support systems that buttress what they have in place, and contribute where support in their lives may be scarce. Through academic counseling, social interaction with other students and SCC professionals, students will recognize the value of their experiences and the legacy gifted to them by their ancestors.

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 engage in program development and allowed to create events and activities, with the guidance of the B.L.A.C.K. professionals who are experts in the fields of academic programming and student services.

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

Cafeteria/Student Lounge
The T-Buildings house the Associated Student Government room, Student Lounge, food services at the Hungry Hawk Cafe, and the Student Health and Wellness Services. To reserve rooms for use, call the Santiago Canyon College facilities office at (714) 628-4719.

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 student clubs and organizations, please visit student life. To form a new student club, please call (714) 628-4917.

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 (SU), 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 A-206.

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.

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

STUDENT LIFE AND LEADERSHIP

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

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 money to help pay for college in the form of grants, work-study, loans, and scholarships to help make college affordable. Financial aid can come from federal, state, school, and/or private sources to help you pay for college.

In order to apply for any financial aid program, you must complete the Free Application for Federal Student Aid (FAFSA, www.studentaid.gov) or California Dream Act Application (CADAA, dream.csac.ca.gov). If you are required to use your parent(s) income information, refer to the federal IRS Income Tax Forms or use the IRS Data retrieval tool (FAFSA Only). The state Cal Grant application process requires you also submit GPA verification. If you have completed 16 degree-applicable units at Santa Ana College or Santiago Canyon College, your GPA will automatically be submitted to the state. If not, you will need to submit your high school GPA on the paper GPA Verification form. Cal Grant deadlines are March 2nd (maximum opportunity) and September 2nd (limited number of awards).

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 funds if they drop, fail or withdraw (in any combination) from all classes, drop classes after disbursement, or are dropped by the instructor due to excessive absence. Based on the date of the complete withdrawal, the Financial Aid Office is required to determine the amount, if any, of "unearned" federal financial aid received by the student. A calculation will be completed to determine if the student is required to repay any funds.

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 will waive enrollment fees for eligible students. As soon as your FAFSA or Dream Act Application is processed, the Financial Aid Office will determine if you are eligible for a fee waiver. If qualified, you will have the enrollment fee waived. If you do not complete a FAFSA or Dream Act, you may also apply for a fee waiver by completing the CCPG application on paper or online. This application is for low income students, children of Veterans or for students and families receiving some type of government aid.
Students must meet the CCPG Academic and Progress Standards to remain eligible for the waiver. Please note: Some students may be independent on the CCPG application but dependent on the FAFSA.

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 First Year Support Center for more details.

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
Pell grant is a federally funded program for undergraduates who demonstrate need. The amount of the Pell Grant is based on the cost of attendance, the Expected Family Contribution, and the enrollment in number of units. Please check with the Financial Aid Office or visit the website for the maximum and minimum PELL award amount. If you apply late and you are eligible, you may be paid retroactively for the entire academic year. Pell Grants are limited to 12 Full Time equivalent semesters. Federal Supplemental Educational Opportunity Grant (FSEOG) This is a federally funded grant, available to undergraduates who demonstrate exceptional financial need. Priority in awarding FSEOG funds must be given to Pell Grant recipients. Minimum enrollment is six units per semester. Early applicants are given priority.

Federal Work-Study Program (FWS)
This is a federally funded program providing employment opportunities to students with financial need. Students awarded FWS are placed in part-time jobs on campus. This program provides an excellent "learning experience" through on-the-job training. Students must be enrolled in a minimum of six units to remain eligible. Early applicants are given priority.

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.

William D. Ford Federal Direct Loan Program
All students who meet federal financial aid eligibility criteria may borrow through the Direct Loan program. Funds are borrowed directly from the federal government. Annual Direct Loan Subsidized and Unsubsidized combined limits are $3,500 for freshmen and $4,500 for sophomores. Additional Direct Unsubsidized loans are available for eligible students.
Subsidized Direct Loan: The federal government pays the interest on this need-based loan while the student is enrolled in school, at least half-time.
Unsubsidized Direct Loan: The student is responsible for paying the interest on this loan that is not need based. Additional Unsubsidized Direct Loans: Available to students who meet all of the qualification requirements. The annual loan limits are $6,000 for independent students and $2,000 for dependent students.
Parent Loans for Undergraduate Students (PLUS): This loan is for parents who borrow on behalf of dependent students. The parents' credit will be checked by the

FINANCIAL AID AND SCHOLARSHIPS

Department of Education. Repayment of principal and interest begins immediately. The amount borrowed cannot exceed the cost of attendance, minus any other financial aid and resources received by the student.

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-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 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 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 the CSU-Plan B or IGETC-Plan C 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 CSU-Plan B or IGETC-Plan C standards.

- Students who completed an external examination such as AP, CLEP or IB 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-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 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.

- 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

EDUCATIONAL OPTIONS

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: Twelve units completed at Santiago Canyon College. (Six of the twelve units required for the certificate must be earned at Santiago Canyon College.)
- 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.
- 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	DEPARTMENT	AWARDS
Accounting	AS, CA, CERT	Gender, Sexuality, and Women's Studies	AA
American Sign Language	CA	General Education (CSU)	CA
Anthropology	AA/AA-T	General Education (IGETC)	CA
Apprenticeship in Early Childhood	AS, CA	Geography	AA-T
Apprenticeship: Carpentry	AS, CA	Geology	AS-T
Apprenticeship: Cosmetology	CA	Global Studies	CA
Apprenticeship: Electricity	AS, CA	Graphic Design	AS
Apprenticeship: Maintenance Mechanic	AS, CA	History	AA-T
Apprenticeship: Operating Engineers	AS, CA	Kinesiology	AA-T
Apprenticeship: Power Lineman	AS, CA	Kinesiology-Fitness and Active Lifestyle	AS, CA
Apprenticeship: Surveying	AS, CA	Kinesiology-Health Promotion	AS, CA
Art	AA, AS, CA	Kinesiology-Sport Studies	AS, CA
Astronomy	AS	Land Surveying	AS, CA
Biology	AS, AS-T, CA, CERT	Liberal Arts	AA, AS
Biotechnology	AS	Management	AS, CERT
Business	AS, AS-T, CA, CERT	Marketing	AS, CERT
Chemistry	AS	Mathematics	AS-T
Child Development	AA-T, AS-T, CERT	Modern (Foreign) Languages	AA
Code Enforcement and Compliance	CA	Nutrition and Dietetics	AS-T
Communication	AA, AA-T	Philosophy	AA, AA-T
Companion Animal Training	AA	Physics	AS-T
Computer Information Systems	AS, CA	Political Science	AA-T
Computer Science	AS, AS-T, CA, CERT	Pre-Nursing and Allied Health Science	AS
Construction Inspection	AS, CA	Psychology	AA, AA-T
Construction Management	AS, CA	Public Administration	AS, CA, CERT
Cosmetology	AS, CA	Public Works	AS, CA, CERT
Data Science	AS	Real Estate	AS, CA, CERT
Early Childhood Education	AST, CA	Social Justice Studies	AA-T
Earth Sciences	AS	Social Work and Human Services	AA-T
Economics	AA, AA-T	Sociology	AA, AA-T
Education/ Elementary Education	AA, CA	Spanish	AA-T
Elementary Teacher Education	AA-T	Studio Art	AA-T
Electrician	AS, CA	Survey/Mapping Sciences	AS, CA
Electronics Technology	CA	Water and Wastewater Technology	AS, CA, CERT
English	AA, AA-T		
Entrepreneurship	AS, CA		
Environmental Management	AS, CA		
Ethnic Studies	AA		
Film/TV Producing	CA		
Gemology	AS, CA		

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 REQUIREMENTS • 2025-2026

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 Santiago Canyon College and at least 6 of those units must be in courses required for the major unless students are earning an Associate Degree for Transfer (ADT).

II.   General Education Requirements

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

Plan A: Santiago Canyon College General Education Requirements Plan B: California State University General Education Breadth

Plan C: Intersegmental General Education Transfer Curriculum (IGETC)

Plan 3:   Santiago Canyon College General Education for the Associate Degree of Science

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 2024 and are valid through Summer 2025.

IV.   Proficiencies/Graduation Requirements

The required Plan A proficiencies G1: Mathematics, G2: Reading, and G3: Oral Communication may also be used to meet General Education Requirements in areas A-F where appropriate. Courses taken to meet proficiencies must be completed with a grade of C or better. The required Plan 3 proficiencies F1: Mathematics, F2, Reading may also be used to meet General Education Requirements in areas A-E where appropriate. Courses taken to meet proficiencies and the required Ethnic Studies graduation requirement must be completed with a grade of C or better.

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 the student remains in attendance in any one semester (fall/spring) or session (summer/intersession) per academic year at Santa Ana College or Santiago Canyon College, 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 by previous associate degree and/or 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 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 1.2 Section 3.4 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.

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SANTIAGO CANYON COLLEGE   -   PLAN 1

2025-2026 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 100*/100H*, 101, 111, C1000 (formerly COMM 110) **English** 102**/102H**, C1001*/C1001H* (formerly ENGL 103*/103H*) **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
Computer Science 111, 112, 120*/120H*, 121*/121H*, 131, 149, 154; **Mathematics** 105, 140*, 140S*, 150*, 150S*, 171*, 180*/180H*, 180S*, 185, 203, 225, 270, 280, 287*, 290*, 295*; **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*, 101*/101H*, 102*/102H*, 110; **Cinema Studies** 103, 104, 105**, 107, 108; **Dance** 100; **Music** 101*/101H*, 102, 103, 104, **Theatre Arts** 100 Other Regionally Accredited College Course: _____			
3B: HUMANITIES			
American Sign Language 110, 111, 116, 210; **Anthropology** 104**; **Chinese** 101, 102; **English** 102**/102H**, 231, 232, 233A, 233B, 241, 242, 270, 271, 272, 278, 279; **French** 101, 102, 201, 202; **Gender, Sexuality, and Women Studies** 101**, 102**, 103**; **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, 120*/120H*, 121*/121H*,124, 127; **Political Science** POLS C1000*/POLS 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** 107**/107H**, 110, 221; **Cinema Studies** 105**; **Communication** 120*/120H*, 225*/225H*; **Computer Science** 100; **Counseling** 150, 152, 165; **Criminal Justice** 101; **Economics** 101, 102; **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** 109, 110**, 111**; **Nutrition & Food** 120**; **Political Science** 230; **Psychology** 160**, 170, 180, 190**, 1000C*/1000H* (formerly PSYC 100*/100H*); **Sociology** 100*/100H*, 101**, 120, 220**, 286 Other Regionally Accredited College Course: _____ AP/CLEP/IB _____			

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Area 5: Natural Sciences			
3 SEMESTER/4 QUATER UNITS ARE REQUIRED			
Complete ONE course from either 5A or 5B.			

5: NATURAL SCIENCES	Completed	In Progress	Need
Anthropology 101; **Astronomy** 102, 103, 104; **Biology** 109*/109H*, 111, 115, 139, 149, 190, 211, 213, 215, 221, 229, 231, 239, 241, 249, 259, 290; **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; **Psychology** 200; **Water and Wastewater Technology** 155			
Other Regionally Accredited College Course: _____ AP/CLEP/IB _____			

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

6: ETHNIC STUDIES	Completed	In Progress	Need
Ethnic Studies 101, 110, 120, 130, 140; **Sociology** 101**			
Other Regionally Accredited College Course: _____			

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** 107**/107H**; **Counseling** 101, 113, 116, 118; **Interdisciplinary Studies** 155**; **Kinesiology** 100, 101, 102, 104, 106, 110**, 111**; **Information Studies** 100*/100H*; **Nutrition and Food** 115, 120**; **Philosophy** 111; **Psychology** 160**, 190**, 230; **Sociology** 130, 220**			

7B: LIFELONG UNDERSTANDING – ACTIVITY	Completed	In Progress	Need
Kinesiology 119-123 (Excluding Kinesiology 274)			

	Completed	In Progress	Need
TOTAL UNITS:			

Important Notes

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 (student 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 pervious 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.

*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.

Santiago Canyon College

SANTIAGO CANYON COLLEGE - 2025-2026 Cal-GETC/Plan 2
California General Education Transfer Curriculum (Cal-GETC) for CSU and UC

- *SCC and CSU students with continuous enrollment prior to Fall 2025 can continue to complete the CSU GE/Plan B or IGETC/Plan C patterns or may elect to complete Cal-GETC/Plan 2, but this is not required. Effective Fall 2025 and beyond -- SCC and CSU students who do not have continuous enrollment must complete Cal-GETC/Plan 2. Students from a UC, in-state private, and/or out-of-state institutions must complete Cal-GETC/Plan 2.*
- *Dual Enrollment students who graduated from high school in June 2025 and completed some college units as a high school student must complete Cal-GETC/Plan 2.*
- *Continuous enrollment is completing one semester each calendar year (Example: Fall 2023, Spring 2024, Spring 2025) without a one-year break.*

AREA 1: ENGLISH COMMUNICATION 3 courses - 9 semester or 12 quarter units are required. Select ONE course for each subarea (A, B, and C).			
	Completed	In Progress	Need
A. ENGLISH COMPOSITION **English** C1000*/ C1000H*(formerly ENGL 101*/101H*) **Other Regionally Accredited College Course:** _____ AP_____			
B. **CRITICAL THINKING/COMPOSITION** **English** 102*/102H*, C1001*/C1001H*(formerly ENGL 103*/103H*); **Philosophy** 110; **Reading** 151 **Other Regionally Accredited College Course:** _____	Completed	In Progress	Need
C. ORAL COMMUNICATION **Communication Studies** C1000 (formerly COMM 110) **Other Regionally Accredited College Course:** _____	Completed	In Progress	Need

AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING Select ONE (1) course - 3 semester or 4 quarter units are required			
SELECT ONE COURSE **Math** 105, 140*, 150*, 150S*, 171*, 180*/180H*, 180S, 185, 270, 280, 287, 290, 295; **Sociology** 125*/125H*; **Statistics** C1000*/C1000H*/C1000E (formerly MATH 219*/219H*/219S*) **Other Regionally Accredited College Course:** _____ AP/IB_____	Completed	In Progress	Need

AREA 3: ARTS AND HUMANITIES Select ONE course from the Arts and ONE course from the Humanities. 2 courses - 6 semester or 8 quarter units are required			
A. ARTS: One Course Required **Art** 100*/100H*, 101*/101H*, 102*/102H*; **Cinema Studies** 103, 104; **Dance** 100; **Music** 101*/101H*, 102, 103, 104; **Theatre Arts** 100 **Other Regionally Accredited College Course:** _____ AP/IB_____	Completed	In Progress	Need
B. HUMANITIES: One Course Required **American Sign Language** 111, 116, 210; **Chinese** 102; **English** 102*†/102H*†, 231, 232, 233A, 233B, 241, 242, 270, 271, 272, 278, 279, 280; **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_____	Completed	In Progress	Need

AREA 4: SOCIAL AND BEHAVIORAL SCIENCES Select TWO courses from at least TWO different disciplines. 2 courses - 6 semester or 8 quarter units are required			
Anthropology 100*/100H*, 103, 104; **Apprenticeship Child Development** 107*; **Child Development** 107*; **Cinema Studies** 105; **Communication** 120*/120H*, 225*/225H*; **Counseling** 165; **Criminal Justice** 101; **Economics** 101, 102; **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**, **120*/120H***, **121*/121H***, **124**, 125, 126, **127**, 129, 130, 133, 140, 142, 152, 162, 172, 240; **Interdisciplinary Studies** 155; **Kinesiology** 109; **Political Science** 150, 201, 220, 221, 230, 235; *POLS* C1000*/*POLS* 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, 150, 160, 220, 230, 240*/240H*, 286 **Other Regionally Accredited College Course:** _____ AP/IB_____	Completed	In Progress	Need
Additional Area 4 Course: _____ **Other Regionally Accredited College Course:** _____ AP/IB_____	Completed	In Progress	Need

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AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES Select ONE course from the Physical Sciences and ONE course from the Biological Sciences. One course from group A or group B MUST have a corresponding lab. Lab courses are underlined. 2 courses - 7 semester or 9 quarter units are required			

	Completed	In Progress	Need
A. PHYSICAL SCIENCE: One Course Required **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* **Other Regionally Accredited College Course:_____AP/IB_____			
B. BIOLOGICAL SCIENCE: One Course Required **Anthropology** 101; **Biology** 109*/109H*, 111, 115, 139, 149, 177, 190, 211, 213, 215, 221, 229,231, 239, 241, 249, 259, 290 **Psychology** 200 **Other Regionally Accredited College Course:_____AP/IB_____			
C. LABORATORY ACTIVITIES: One Lab Course Required **Anthropology** 101L; **Astronomy** 100L (Lab Activity for ASTR 102, 103 and 104); **Biology** 109L*/109HL*, 111, 115, 139, 149, 190L, 211, 213, 215, 221, 229, 231, 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* **Other Regionally Accredited College Course:_____AP_____			

AREA 6: ETHNIC STUDIES Select ONE (1) course – 3 semester or 4 quarter units required.			

	Completed	In Progress	Need
Ethnic Studies 101⁺, 110⁺, 120⁺, 130⁺, 140⁺; **Sociology** 101⁺ **Other Regionally Accredited College Course:** _____			
TOTAL 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.***
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*)
  Ethnic Studies 110, 120, 130, 140; **History** 118, 120*/120H*, 121*/121H*, 124, 127
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*)
  **Other Regionally Accredited College Course:_____AP_____
  **Other Regionally Accredited College Course:_____AP_____			

IMPORTANT INFORMATION AND FOOTNOTES

- 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.
- Each course for Cal-GETC must have a minimum value of 3 semester or 4-quarter units.
- 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.
- Courses completed on IGETC can be used to meet the same Cal-GETC GE area if the IGETC course was approved in the same Cal-GETC area in fall 2025 (COMM 110 is the only IGETC 1C course that can be used on Cal-GETC 1C. COMM 110 is now COMM C1000).
- Courses with an asterisk or plus sign (*/⁺) indicate one of the following credit limitation reasons:
  - ❖ No credit is given for an introductory course if taken after a more advanced college course (such as sequential courses, Mathematics, Biological Sciences, and foreign languages).
  - ❖ Credit may be limited for courses with overlapping content.
  - ❖ Duplicate credit will not be awarded for both an Honors and non-Honors course (i.e., HIST 101* and HIST 101H*)
  - ❖ + Courses published in more than one GE area can only meet one GE area, not both, *except for courses in the sciences (5A/5B) and laboratory (5C); courses that meet graduation requirements for CSU United States History, Constitution, American Ideals graduation requirement, US1, and US2 + US3.*
- 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 an SCC counselor for more information on the Pass Along Petition process.

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

SANTIAGO CANYON COLLEGE   -   PLAN 3
2025-2026 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 100*/100H*, 101, 111, C1000 **English** 102**/102H**, C1001*/C1001H*(formerly ENGL 103*/103H*) **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
Computer Science 111, 112, 120*/120H*, 121*/121H*, 131, 149, 154; **Mathematics** 105, 140*, 140S*, 150*/150S*, 171*, 180*/180H*, 180S*, 185, 203, 225, 270, 280, 287*, 290*, 295*; **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*, 101*/101H*, 102*/102H*, 110; **Cinema Studies** 103, 104, 105**, 107, 108; **Dance** 100; **Music** 101*/101H*, 102, 103, 104, **Theatre Arts** 100 Other Regionally Accredited College Course: _____			
3B: HUMANITIES			
American Sign Language 110, 111, 116, 210; **Anthropology** 104**; **Chinese** 101, 102; **English** 102**/102H**, 231, 232, 233A, 233B, 241, 242, 270, 271, 272, 278, 279; **French** 101, 102, 201, 202; **Gender, Sexuality, and Women Studies** 101**, 102**, 103**; **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			
4: SOCIAL AND BEHAVIORAL SCIENCES	Completed	In Progress	Need
Anthropology 100*/100H*, 103, 104**; **Apprenticeship Child Growth and Development** 107, 110, 221; **Child Development** 107*/107H*,110, 221; **Cinema Studies** 105**; **Communication** 120*/120H*, 225*/225H*; **Computer Science** 100; **Counseling** 150, 152#, 165; **Criminal Justice** 101; **Economics** 101, 102; **Education** 101; **Gender, Sexuality, and Women Studies** 101**, 102**, 103**; **Geography** 100*/100H*, 102*/102H*; **History** 101**/101H**, 102**/102H**, 115**, 118, 120*/120H*, 121*/121H*, 124, 125**, 126, 127, 129**, 130**, 132**, 133, 140, 142**, 152, 162, 172**, 240; **Interdisciplinary Studies** 155; **Kinesiology** 109; **Nutrition & Food** 120**; **Political Science** 110, 150, 201, 220, 221, 230, **POLS** C1000*/C1000H*(formerly POLT 101*/101H*); **Psychology** 157, 160, 170, 180, 190, 200**, 220, 230, 240, 250, 1000C*/1000H* (formerly PSYC 100*/100H*); **Sociology** 100*/100H*, 101**, 115, 116, 120, 130, 220, 240*/240H*, 286 Other Regionally Accredited College Course: _____ AP/CLEP/IB _____			

Area 5: Natural Sciences 3 SEMESTER/4 QUATER UNITS ARE REQUIRED Complete ONE course from either 5A or 5B			
	Completed	In Progress	Need
5A: PHYSICAL SCIENCES **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 Other Regionally Accredited College Course: _____ **AP/CLEP/IB** _____			
5B: BIOLOGICAL SCIENCES **Anthropology** 101; **Biology** 109*/109H*, 111, 115, 139, 149, 190, 211, 213, 215, 221, 229, 231, 239, 241, 249, 259, 290; **Psychology** 200** Other Regionally Accredited College Course: _____ **AP/CLEP/IB** _____			
Area 6: Ethnic Studies 3 SEMESTER/4 QUARTER UNITS ARE REQUIRED Completed ONE course			
	Completed	In Progress	Need
6: ETHNIC STUDIES Ethnic Studies 101, <u>110</u>, <u>120</u>, <u>130</u>, <u>140</u>; Sociology 101** Other Regionally Accredited College Course: _____			
TOTAL UNITS:			

Important Notes

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 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 two asterisks (**) 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: ETHN 110, 120, 130, 140, HIST 118, 120*/120H*, 121*/121H*, 124, 127

US2 + US3: POLS C1000*/C1000H*

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-Insulator AS, Apprenticeship Carpentry-Millwrighting AS, Apprenticeship Carpentry- Plastering AS, Apprenticeship Carpentry-Pile Driver AS, Apprenticeship Carpentry-Tilt-Up AS, Apprenticeship in Early Childhood AS, Apprenticeship Electricity-Industrial AS, Apprenticeship Electricity-Intelligent Transportation Systems Electrician AS, Apprenticeship Electricity-Sound Installer AS, Apprenticeship Electricity-Sound Technician 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 Inspection AS, Construction Management AS, Cosmetology AS, Criminal Justice and Administration AS, Data Science AS, Entrepreneurship AS, Environmental Management AS, Gemology AS, General Electrician AS, General Management AS, General Marketing AS, Graphic Design AS, Maintenance Electrician AS, Maintenance Mechanic AS, Public Administration AS, Real Estate AS, Social Media AS, Social Work and Human Services Assistant AS

Liberal Arts: Mathematics and Sciences AS

TRANSFER TO OTHER COLLEGES

Transfer Success Center

The Transfer Success Center provides resources and services to assist students in researching, planning, and completing their transfer to a four-year college or university The Transfer Success 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 Success 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 expert advice from trained specialists and counselors. For more information, stop by D-104-N, call (714) 628-4865, visit us at https://sccollege.edu/students/studentservices/transfer/SitePages/Home.aspx follow us @SCCTransfer on Facebook, Twitter, and 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 Success 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 - 23 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 Success 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 Success 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 23 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 over 7,800 bachelor's and master's degrees in some 240 subject areas. 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 (California Maritime)

To obtain a bachelor's degree from the CSU system, a student must complete a minimum of 120-semester units (180 quarter units). A

TRANSFER TO OTHER COLLEGES

maximum of 60 units of transferable credit will be accepted for courses completed at a community college. Prospective CSU transfer students should 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; click on your corresponding type to learn more about the requirements.

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 23 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

Students are eligible for upper-division transfer if they complete at least 60 transferable semester units (90 quarter units) and:

• Have an overall college grade point average of 2.0 (C) or better (2.4 for non-California residents) in all transferable units attempted. High demand majors and campuses, a 2.0 grade point average, 2.0 may not be sufficient to be admitted.

• Be in good standing at the last college or university attended ("good standing" means eligible to re-enroll at the previous college or university attended).

• Have completed 10 general education

courses (30 semester units or 45 quarter units) of basic skills courses, with a grade of C- or better, and, specifically, the following four courses completed from in the following California General Education Transfer Curriculum (Cal-GETC)/Plan 2. areas:

Area 1: English Communication – 1A: English Composition, 1B: Critical Thinking/ Composition, 1C: Oral Communication; and

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, 120*/120H*, 121*/121H*, 124, 127

US 2: U.S. Constitution and Government AND US 3: California State and Local Government (may count for area 4)

TRANSFER TO OTHER COLLEGES

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 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.edu: 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 Success Center: https://sccollege.edu/students/studentservices/transfer/SitePages/Home.aspx
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. Courses from international institutions cannot be considered for Pass Along.

TRANSFER TO OTHER COLLEGES

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, San Francisco (Schools of Medicine, Dentistry and Pharmacy), 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 74-semester units (27 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 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, 120*/120H*, 121*/121H*, 124, 127

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 • 2025–2026

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 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 the CSU-Plan B or IGETC-Plan C 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 CSU-Plan B or IGETC-Plan C standards.
- Students who completed an external examination such as AP, CLEP or IB 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 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 2025-2026

This agreement lists approved Santiago Canyon College courses transferable for unit credit at all UC campuses and explains UC credit provisions. Additional courses for 2025-2026 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 (ART)

100,100H, 101, 101H, 102, 102H, 110, 111, 130, 131, 139,141, 149, 195, 230, 231, 232, 233, 241, 242

Astronomy (ASTR)

100L, 102, 103, 112

Apprenticeship Child Development (APCD)

107*, 110*, 116A, 221*

* APCD 107, APCD 110, and APCD 221 Same as CDEV 107, CDEV 110, and CDEV 221 respectively.

Biology (BIOL)

109#, 109H#, 109L#, 109HL#, 111, 115, 139*, 149, 177, 190, 190L, 211, 213, 215, 221, 229*, 231, 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)

107*, 110, 116A, 123A, 221

* CDEV 107 and PSYC 157 maximum credit, 1 course

Cinema Studies (CINE)

103, 104, 105, 107, 108, 130

Communication Studies (COMM)

100, 100H, 101, 111, 120, 120H, 134, 135, 190, 225, 225H, C1000 (formerly COMM 110)

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

Dance (DNCE)

100, 106A, 106B, 108A, 108B, 115A, 115B, 119A, 119B, 204A, 204B, 205, 250A, 250B, 251

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)

101, 102

Education (EDUC)

101, 200, 210

Engineering (ENGR)

220, 225, 230

English (ENGL)

100*^, 102, 102H, 213, 231, 232, 233A, 233B, 241, 242, 270, 271, 272, 278, 279, 280, C1000*, C1000H*, C1001*, C1001*

* ENGL 100, ENGL C1000 and ENGL C1000H combined: maximum credit, 1 course

^ ENGL 100 Maximum credit, 4 units

Ethnic Studies (ETHN)

101*, 110, 120, 130, 140

* ETHN 101 Same as SOC 101

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

Geography (GEOG)

100, 100H, 101, 101H, 101L, 102, 102H, 130, 130H, 140, 150, 155*

* GEOG 155 Same as SURV 155

History (HIST)

101, 101H, 102, 102H, 115, 118, 120, 120H, 121, 121H, 124, 126, 127, 130, 132, 133, 140, 152, 162, 172, 240

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 2025-2026

This agreement lists approved Santiago Canyon College courses transferable for unit credit at all UC campuses and explains UC credit provisions. Additional courses for 2025-2026 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#, 109,110#, 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

Mathematics (MATH)(STAT)

105, 140%, 150*+, 171%, 180*+, 180H*+, 180S*+ 185, 203, 225, 280, 287#, 290#, 295#, STAT C1000^, C1000E^, C1000H^ (formerly MATH 219/219S/219E)

  % All College Algebra and Pre-Calculus courses limited
    to a single course with a maximum of 5 semester/7.5 quarter units.

  * MATH 150, 180, 180H, and 180S combined: maximum credit, one course

  + MATH 180, 180H, and 180S 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, 121, 122, 123,124, 126, 127, 128, 129, 161, 162, 163, 164A,164B, 182, 185, 186, 187, 188

Nutrition (NUTR)

115, 120

Philosophy (PHIL)

106, 106H, 108, 110, 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

Reading (READ)

150, 151

Sociology (SOC)

100, 100H, 101*, 115, 116, 120, 125^, 125H^, 130, 150, 160, 210, 220, 230, 240+, 240H, 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, 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

SANTIAGO CANYON COLLEGE – ADVANCED PLACEMENT GUIDE AND POLICIES – 2025-2026
(Revised 05/29/25_LA)

Advanced Placement Exam	SCC GE Plan 1 & Plan 3 Course GE Area Units Awarded	CSU & UC: Cal-GETC Certification GE Area Semester Units [UC NOTE 1]	CSU Minimum Units Earned Towards Transfer [CSU NOTE 2]	UC Minimum Units Earned Towards Transfer [UC NOTE 2]
African American Studies (Beginning FA'25)	Not Applicable	Not Applicable	3 units	2.6 units
Art History	ART 101 and 102 Area 3A 6 units	Area 3A or 3B 3 units	6 units	5.3 units
Art Studio: 2-D Design	ART 110 No GE 3 units	Not Applicable	3 units	5.3 units (5.3 units maximum credit for all three Studio Art exams)
Art Studio: 3-D Design	ART 111 No GE 3 units	Not Applicable	3 units	5.3 units (5.3 units maximum credit for all three Studio Art exams)
Art Studio: Drawing	ART 130 No GE 3 units	Not Applicable	3 units	5.3 units (5.3 units maximum credit for all three Studio Art exams)
Biology	BIOL 109 and 109L or BIOL 190 and 190L Area 5A 4 units	Area 5B and 5C 4 units	6 units	5.3 units
Calculus AB	MATH 180 Area 2 4 units	Area 2 3 units	3 units (only one Calculus exam applied to CSU degree)	2.6 units (5.3 units maximum credit for Calculus AB + BC exams)
Calculus BC	MATH 180 and 185 Area 2 8 units	Area 2 3 units	6 units (only one Calculus exam applied to CSU degree)	5.3 units (5.3 units maximum credit for Calculus AB + BC exams)
Calculus BC/AB Subscore [†]	No Course Area 2 3 units	Area 2 3 units	3 units (only one Calculus exam applied to CSU degree)	2.6 units (2.6 units maximum credit for Calculus AB + AB Subscore exams)
Chemistry	CHEM 200A Area 5A 5 units	Area 5A and 5C 4 units	6 units	5.3 units
Chinese Language and Culture	No Course Area 3B 3 units	Area 3B 3 units	6 units	5.3 units
Computer Science A	CMPR 121 No Area 3 units	Not Applicable	3 units (only one Computer Science exam applied to the CSU degree)	5.3 units (beginning May 2018)
Computer Science AB (Discontinued after May 2009)	CMPR 121 No Area 3 units	Not Applicable	6 units (only one CS exam applied to CSU degree)	N/A
Computer Science Principles (Beginning May 2017)	No Course Area 2 3 units	Not Applicable	6 units	5.3 units
Economics: Macroeconomics	ECON 102 Area 4 3 units	Area 4 3 units	3 units	2.6 units
Economics: Microeconomics	ECON 101 Area 4 3 units	Area 4 3 units	3 units	2.6 units
English: Language/Language and Composition	ENGL C1000 Area 1A 4 units	Area 1A 3 units	6 units	5.3 units (5.3 units maximum credit for both English exams)
English: Literature/Literature and Composition	ENGL C1000 Area 1A and 3B 4 units + (2 units toward degree)	Area 1A or 3B 3 units	6 units	5.3 units (5.3 units maximum credit for both English exams)

SANTIAGO CANYON COLLEGE – ADVANCED PLACEMENT GUIDE AND POLICIES – 2025-2026
(Revised 05/29/25_LA)

Advanced Placement Exam	SCC GE Plan 1 & Plan 3 Course GE Area Units Awarded	CSU & UC: Cal-GETC Certification GE Area Semester Units UC NOTE 1	CSU Minimum Units Earned Towards Transfer CSU NOTE 2	UC Minimum Units Earned Towards Transfer UC NOTE 2
Environmental Science	BIOL 259 Area 5B 4 units	Area 5A and 5C 3 units Δ	4 units	2.6 units
French Language and Culture (Prior to F'11, French Language)	FREN 101 and 102 Area 3B 10 units	Area 3B 3 units	6 units	5.3 units
French Literature	No Course Area3B 3 units	Area 3B 3 units	6 units	5.3 units
German Language and Culture (Prior to Fall 11, German Language)	No Course Area3B 3 units	Area 3B 3 units	6 units	5.3 units
Geography (Human)	GEOG 102 Area 4 3 units	Area 4 3 units	3 units	2.6 units
Government and Politics: Comparative	POLT 201 Area 4 3 units	Area 4 3 units	3 units	2.6 units
Government and Politics: United States ‡	POLS C1000 Area 4 3 units	Area 4 and US-2 (CSU Partial AI Requirement) 3 units	3 units	2.6 units
History: European	HIST 102 Area 4 or 3B 3 units	Area 3B or 4 3 units	6 units	5.3 units
History: US ‡	HIST 120 and 121 Area 4 or 3B 6 units	Area 3B or 4 and US-1 (CSU Partial AI Requirement) 3 units	6 units	5.3 units
History: World/Modern	HIST 102 Area 4 or 3B 3 units (6 units before F'19)	Area 3B or 4 3 units	3 units (6 units before F'09)	5.3 units
Italian Language and Culture	ITAL 101 and 102 Area 3B 10 units	Area 3B 3 units	6 units	5.3 units
Japanese Language and Culture	No Course Area 3B 3 units	Area 3B 3 units	6 units	5.3 units
Latin	No Course Area 3B 3 units	Area 3B 3 units (From May'13 and beyond)	6 units	5.3 units
Latin: Literature	No Course Area 3B 3 units	Area 3B 3 units	6 units	2.6 units
Latin: Virgil	No Course Area 3B 3 units	Area 3B 3 units	3 units	2.6 units
Music Theory	Not Applicable	Not Applicable	6 units	5.3 units (CR granted for full Music Theory exam; a subscore only will not receive exam credit)
Physics 1 ∞ / Physics 1: Algebra-Based	No Course Area 5A 4 units	Area 5A and 5C 4 units	4 units (max 6 units for all Physics exams)	5.3 units (5.3 units maximum credit for all Physics exams)
Physics 2 ∞ / Physics 2: Algebra-Based	No Course Area 5A 4 units	Area 5A and 5C 4 units	4 units (max 6 units for all Physics exams)	5.3 units (5.3 units maximum credit for all Physics exams)
Physics B ∞ (exam available before F'13) (2015 Physics B replaced by Physics 1 & Physics 2 exam)	PHYS 150A and 150B Area 5A 8 units	Area 5A and 5C 4 units	6 units (max 6 units for all Physics exams)	5.3 units (5.3 units maximum credit for all Physics exams)

SANTIAGO CANYON COLLEGE – ADVANCED PLACEMENT GUIDE AND POLICIES – 2025-2026
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Advanced Placement Exam	SCC GE Plan 1 & Plan 3 Course GE Area Units Awarded	CSU & UC: Cal-GETC Certification GE Area Semester Units [UC NOTE 1]	CSU Minimum Units Earned Towards Transfer [CSU NOTE 2]	UC Minimum Units Earned Towards Transfer [UC NOTE 2]
Physics C: Electricity and Magnetism ∞	PHYS 250B Area 5A 5 units	Area 5A and 5C 3 units [Δ]	4 units (max 6 units for all Physics exams)	2.6 units (5.3 units maximum credit for all Physics exams)
Physics C: Mechanics ∞	PHYS 250A Area 5A 5 units	Area 5A and 5C 3 units [Δ]	4 units (max 6 units for all Physics exams)	2.6 units (5.3 units maximum credit for all Physics exams)
Pre-Calculus	No Course Area 2 5 units	N/A	3 units	N/A
Psychology	PSYC C1000 Area 4 3 units	Area 4 3 units	3 units	2.6 units
Seminar	Not Applicable	Not Applicable	3 units	Not Applicable
Spanish Language and Culture (Prior to S'14, Spanish Language)	SPAN 101 and 102 Area 3B 10 units	Area 3B 3 units	6 units	5.3 units
Spanish Literature and Culture (Prior to S'13, Spanish Literature)	No Course Area 3B 3 units	Area 3B 3 units	6 units	5.3 units
Statistics	STAT C1000 Area 2 4 units	Area 2 3 units	3 units	2.6 units

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). 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 cannot be used to meet Santiago Canyon College's 12-unit residency requirement for Associate degrees. ***It is recommended that students 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.

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.

   ∞ - 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.

SANTIAGO CANYON COLLEGE – ADVANCED PLACEMENT GUIDE AND POLICIES – 2025-2026
(Revised 05/29/25_LA)

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.

https://calstate.policystat.com/policy/17947386/latest/?showchanges=true

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.*

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 final 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.

The UC Policy for AP credit can be found at:
http://admission.universityofcalifornia.edu/counselors/exam-credit/ap-credits/index.html.

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.medschoolcoach.com/what-medical-schools-accept-ap-credits-database/

SANTIAGO CANYON COLLEGE – COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)
PLACEMENT GUIDE AND POLICIES – 2025-2026 (Revised 05/28/25-LA)

CLEP EXAMINATION	PASSING SCORE	SCC Plan 1/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 3 units	3 units	3 units
American Literature	50	Area 3B 3 units	3 units	3 units
Analyzing and Interpreting Literature	50	Area 3B 3 units	3 units	3 units
Biology	50	Area 5B 3 units	3 units	3 units
Calculus	50	Area 2 3 units	3 units	3 units
Chemistry	50	Area 5A 3 units	3 units	3 units
College Algebra	50	Area 2 3 units	3 units	3 units
College Algebra-Trigonometry	50	Area 2 3 units	3 units	3 units
English Literature	50	Area 3B 3 units	3 units	3 units
Financial Accounting	50	Not Applicable 0 units	3 units	3 units
French Level I [†]	50	Not Applicable 0 units	0 units	6 units
French Level II [†]	59	Area 3B 3 units	9 units	9 units (12 units prior to Fall 2015)
German Level I [†]	50	Not Applicable 0 units	0 units	6 units
German Level II [†]	60	Not Applicable 0 units	9 units	9 units (12 units prior to Fall 2015)
History, United States I [Δ] (Partially fulfills CSU AI requirement)	50	Area 4 3 units	3 units	3 units
History, United States II [Δ] (Partially fulfills CSU AI requirement)	50	Area 4 3 units	3 units	3 units
Human Growth & Development	50	Area 4 3 units	3 units	3 units
Humanities	50	Area 3B 4 units	3 units	3 units
Information Systems and Computer Applications	50	Not Applicable 0 units	0 units	3 units

Santiago Canyon College

SANTIAGO CANYON COLLEGE – COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)
PLACEMENT GUIDE AND POLICIES – 2025-2026 (Revised 05/28/25-LA)

CLEP EXAMINATION	PASSING SCORE	SCC Plan 1/Plan 3 GE AREA SEMESTER UNITS AWARDED	SCC AA/AS SEMESTER UNITS AWARDED	CSU Minimum Units Earned Towards Transfer CSU NOTE 2
Introduction to Educational Psychology	50	Not Applicable 0 units	0 units	3 units
Introductory Business Law	50	Not Applicable 0 units	0 units	3 units
Introductory Psychology	50	Area 4B 3 units	3 units	3 units
Introductory Sociology	50	Area 4B 3 units	3 units	3 units
Natural Sciences	50	Area 5A OR 5B 3 units	3 units	3 units
Pre-Calculus	50	Area 2 3 units	3 units	3 units
Principles of Accounting	50	Not Applicable 0 units	0 units	3 units
Principles of Macroeconomics	50	Area 4B 3 units	3 units	3 units
Principles of Management	50	Not Applicable 0 units	0 units	3 units
Principles of Marketing	50	Not Applicable 0 units	0 units	3 units
Principles of Microeconomics	50	Area 4B 3 units	3 units	3 units
Social Sciences and History	50	Not Applicable 0 units	0 units	0 units
Spanish Level I †	50	Not Applicable 0 units	0 units	6 units
Spanish Level II †	63	Area 3B 3 units	9 units	9 units (12 units prior to Fall 2015)
Spanish with Writing Level I	50	Not Applicable 0 units	0 units	6 units
Spanish with Writing Level II (Effective Fall 2019)	63	Area 3B 3 units	9 units	9 units
Trigonometry (Prior to Fall 2006)	50	Area 2 3 units	3 units	3 units
Western Civilization I	50	Area 3B or 4 3 units	3 units	3 units
Western Civilization II	50	Area 4 3 units	3 units	3 units

SANTIAGO CANYON COLLEGE – COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) PLACEMENT GUIDE AND POLICIES – 2025-2026 (Revised 05/28/25-LA)

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 cannot 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.

> † - 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.

SANTIAGO CANYON COLLEGE – INTERNATIONAL BACCALAUREATE (IB) EXAMINATION
GUIDE AND POLICIES – 2025-2026 (Revised 05/28/25-LA)

INTERNATIONAL BACCALAUREATE (IB) EXAMINATION	SCC Plan 1/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 BIOLOGY HL	Area 5A 3 units	3 units	Area 5B (No Lab) 3 units	6 units	5.3 Units
IB CHEMISTRY HL	Area 5A 3 units	3 units	Area 5A (No Lab) 3 units	6 units	5.3 Units
IB ECONOMICS HL	Area 4 3 units	3 units	Area 4 3 units	6 units	5.3 Units
IB GEOGRAPHY HL	Area 4 3 units	3 units	Area 4 3 units	6 units	5.3 Units
IB HISTORY (ANY REGION) HL	Area 3B or 4 3 units	3 units	Area 3B or 4 3 units	6 units	5.3 Units
IB LANGUAGE A: LITERATURE HL ∞ (Any Language, except English)	Area 3B 3 units	3 units	Area 3B 3 units	6 units Δ	5.3 Units
IB LANGUAGE A: LANGUAGE & LITERATURE HL ∞ (Any Language, except English)	Area 3B 3 units	3 units	Area 3B 3 units	6 units Δ	5.3 Units
IB LANGUAGE A/A1: LITERATURE HL∞ (Any Language) (CSU: Prior to FA'13)	Area 3B 3 units	3 units	Area 3B 3 units	6 units Δ	5.3 Units
IB LANGUAGE A/A2: LANGUAGE & LITERATURE HL ∞ (Any Language) (CSU: Prior to F'13)	Area 3B 3 units	3 units	Area 3B 3 units	6 units Δ	5.3 Units
IB LANGUAGE B HL ∞ (Any Language)	Not Applicable 0 units	0 units	Not Applicable 0 units	6 units Δ	5.3 Units
IB MATHEMATICS HL (CSU: Prior to F'22) (UC: Prior to F'20)	Area 2 3 units	3 units	Area 2 3 units	6 units Δ	5.3 Units (Prior to FA 20)
IB MATHEMATICS HL: ANALYSIS & APPROACHES	Area 2 3 units	3 units	Area 2 3 units	6 units Δ	5.3 Units (Beginning FA 21)
IB MATHEMATICS HL: APPLICATIONS & INTERPRETATION (UC: No credit for exam offered F'21 and later)	Area 2 3 units	3 units	Area 2 3 units (may not be at all UC)	6 units Δ	0 Units (No credit for exam offered F'21 and later)
IB PHYSICS HL	Area 5A 3 units	3 units	Area 5A (No Lab) 3 units	6 units	5.3 Units
IB PSYCHOLOGY HL	Area 4 3 units	3 units	Area 4 3 units	3 units	5.3 Units
IB THEATRE HL	Area 3A or 3B 3 units	3 units	Area 3A 3 units	6 units Δ	5.3 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.*

SANTIAGO CANYON COLLEGE – INTERNATIONAL BACCALAUREATE (IB) EXAMINATION GUIDE AND POLICIES – 2025-2026 (Revised 05/28/25-LA)

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.

Δ - CSU accepts a score of 4 or higher for each of these exams.

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.

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.

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.

Actual IB transfer credit (including possible differences in units to be awarded beyond those used for Cal-GETC certification) awarded for these and other IB exams at admission is determined by the CSU and UC.
- 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 CERTIFICATES Santiago 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 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-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 160 - CJ 111, 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 1: Prehistory Through the Middle Ages

ARTH 110 - ART 101H, Honors Survey of Western Art History 1: 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 ARTS 205 - ART 230, Intermediate Drawing ARTS 210 - ART 141, Beginning Painting

Course Identification Number   SCC Course

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 COMP 152 - CMPR 149, Discrete Structures for Computer Science

COMP 152 – MATH 270, Discrete Mathematics

COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

Course Identification Number   **SCC Course**

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 SocietyECE 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 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 Geography 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

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

COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

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

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

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 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 1 SPAN 230 - SPAN 111, Spanish for Spanish Speakers 2 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.

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
(CLOSED DURING CONSTRUCTION)
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

ESL textbooks are available for purchase. A complete list of ESL textbooks required for each class, along with their costs, is posted. Supplementary books and supplies are also available. Students can purchase textbooks and supplies at the Hawk Bookstore, located in A-101. For more information, phone 714- 628-5900 or go to www.hawkbookstore.com.

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.

CONTINUING EDUCATION INFORMATION

Scholarships
Several scholarships are made available to continuing education ESL students and high school graduates. 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
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 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 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 in both the traditional classroom setting or in 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.

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 as measured by an SCC Continuing Education approved reading proficiency examination.
2. **Mathematics**. Students will be required to demonstrate math proficiency by passing an SCC Continuing Education approved mathematics examination with a minimum score of 70%, or by passing the Math Fundamentals 2 course.
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% or by passing the Composition 2 course. 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
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**

CONTINUING EDUCATION INFORMATION

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 the student remains in attendance in any one semester (fall/spring) or session (summer/intersession) per academic year at Santa Ana College or Santiago Canyon College, 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 by previous associate degree and/or 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 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, 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 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:

CONTINUING EDUCATION 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. **Mathematics Achievement Test (ITED)**
   Credit may be earned in mathematics by obtaining a satisfactory score on the math section of the Iowa Tests of Education Development Form X5. No other subtests are accepted for credit purposes. Ten-semester credits will be awarded for a raw score of 14, provided these credits are not previously earned math credits. (These 5 credits may be used to satisfy Math Fundamentals 2 requirements.) Fifteen-semester credits will be awarded for a raw score of 20, provided these credits are not a duplication of previously earned math credits. (These 10 credits may be used to satisfy Math Fundamentals 2 requirements, and 5 elective credits.)

2. **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.

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). Individualized instruction is provided so that students may take classes that fit their personal schedules, thus enabling them to work and complete high school credits at their own pace.

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.

CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS

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.

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.

CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS

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.

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,

CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS

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 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 – 20
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 (units 20.0 - 20.0)
The following number of units
    Major Requirements: (units 14.0 - 14.0)
    The following number of units
        ACCT101 Financial Accounting (units 4.0 - 4.0)
        ACCT102 Managerial Accounting (units 4.0 - 4.0)
        CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
        CIS106 Microsoft Excel (units 3.0 - 3.0)
    Select one (1) course: (units 3.0 - 3.0)
    The following number of units
        ACCT204 Managerial Cost Accounting (units 3.0 - 3.0)
        ACCT205 Intermediate Accounting I (units 3.0 - 3.0)
    Select one (1) course: (units 3.0 - 3.0)
    The following number of units
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
Control Number: 11858

Accounting, CA
Certificate of Achievement
Unit Range for Completion: 20 – 20
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 (units 20.0 - 20.0)
All of the following
    Certificate Requirements: (units 14.0 - 14.0)
    All of the following

        ACCT101 Financial Accounting (units 4.0 - 4.0)
        ACCT102 Managerial Accounting (units 4.0 - 4.0)
        CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
        CIS106 Microsoft Excel (units 3.0 - 3.0)
    Select one (1) of the following: (units 3.0 - 3.0)
    The following number of units
        ACCT204 Managerial Cost Accounting (units 3.0 - 3.0)
        ACCT205 Intermediate Accounting I (units 3.0 - 3.0)
    Select one (1) of the following: (units 3.0 - 3.0)
    The following number of units
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
Control Number: 21631

Computerized Accounting, CERT
Certificate of Proficiency
Unit Range for Completion: 11 – 12
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 (units 11.0 - 12.0)
The following number of units
    ACCT035 QuickBooks (units 2.0 - 2.0)
    CIS106 Microsoft Excel (units 3.0 - 3.0)
    Rule Group (units 3.0 - 7.0)
    At least one of the following
        ACCT101 Financial Accounting (units 4.0 - 4.0)
        ACCT100 Accounting for Small Business (units 3.0 - 3.0)
    Rule Group (units 3.0 - 6.0)
    At least one of the following
        CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
        CMPR100 The Computer and Society (units 3.0 - 3.0)
Control Number:

General Accounting, CERT
Certificate of Proficiency
Unit Range for Completion: 14 – 14
Program Rules: General Accounting, CERT (units 14.0 - 14.0)
The following number of units
    Rule Group (units 8.0 - 8.0)
    All of the following
        ACCT101 Financial Accounting (units 4.0 - 4.0)
        ACCT102 Managerial Accounting (units 4.0 - 4.0)
    Rule Group (units 3.0 - 6.0)
    At least one of the following
        BUS150 Introduction to Information Systems and Applications (units 3.0 - 3.0)
        CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
    Rule Group (units 3.0 - 6.0)
    At least one of the following
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
Control Number:

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 (units 16.5 - 16.5)
All of the following
    Certificate Requirements: (units 4.5 - 4.5)
    The following number of units
        ACE106 Academic Reading and Writing 2 (units 4.5 - 4.5)
        ACE116 Introduction to Academic Composition (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) (units 9.0 - 9.0)
    The following number of units
        ACE095 Academic Listening and Speaking 2 (units 2.0 - 2.0)
        ACE116 Introduction to Academic Composition (units 4.5 - 4.5)
        COMM100 Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM100H Honors Introduction to Interpersonal Communication (units 3.0 - 3.0)
        READ101 Introduction to Academic Reading (units 3.0 - 3.0)
        READ128 Expanding ESL Reading Skills (units 1.0 - 1.0)
        READ129 Refining ESL Reading Skills (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) (units 3.0 - 3.0)
    The following number of units
        CNSL101 Educational, Personal, Cultural, and Career Exploration (units 3.0 - 3.0)
        COMM100 Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM100H Honors Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM120 Intercultural Communication (units 3.0 - 3.0)
        COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
        READ101 Introduction to Academic Reading (units 3.0 - 3.0)
Control Number: 37478

AMERICAN SIGN LANGUAGE

American Sign Language, CA
Certificate of Achievement
Unit Range for Completion: 21 – 21
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 (units 21.0 - 21.0)
All of the following
    Certificate requirements: (units 18.0 - 18.0)
    All of the following
        ASL110 American Sign Language I (units 4.0 - 4.0)
        ASL111 American Sign Language II (units 4.0 - 4.0)
        ASL113 Introduction to Interpreting for the Deaf (units 3.0 - 3.0)
        ASL116 Introduction to Deaf Studies (units 3.0 - 3.0)
        ASL210 American Sign Language III (units 4.0 - 4.0)
    Select one (1) course from the following: (units 3.0 - 3.0)
    The following number of units
        CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
        CDEV205 Introduction to Children with Special Needs (units 3.0 - 3.0)
        COMM100 Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM100H Honors Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM120 Intercultural Communication (units 3.0 - 3.0)
        COMM120H Honors Introduction to Intercultural

Communication (units 3.0 - 3.0)
        EDUC209 Roles and Responsibilities of the Special Education Paraprofessional (units 3.0 - 3.0)
        PSYC157 Introduction to Child Psychology (units 3.0 - 3.0)
        THEA110 Acting Fundamentals (units 3.0 - 3.0)
Control Number: 11905

ANTHROPOLOGY

Anthropology, AA
A.A. Degree Major
Unit Range for Completion: 18 – 18
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 associateof 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 (units 18.0 - 18.0)
All of the following
    Major requirements: (units 12.0 - 12.0)
    The following number of units
        Rule Group (units 3.0 - 6.0)
        At least one of the following
            ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
            ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
        Rule Group (units 9.0 - 9.0)
        All of the following
            ANTH101 Introduction to Physical Anthropology (units 3.0 - 3.0)
            ANTH103 Introduction to Archaeology (units 3.0 - 3.0)
            ANTH104 Language and Culture (units 3.0 - 3.0)
  List A - If emphasis is Cultural Anthropology, select courses from List A. Select six (6) units from the following: (units 6.0 - 6.0)
  The following number of units
        ECON102 Principles/Macro (units 3.0 - 3.0)
        ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        GEOG100 World Regional Geography (units 3.0 - 3.0)
        GEOG100H Honors World Regional Geography (units 3.0 - 3.0)
        GEOG102 Cultural Geography (units 3.0 - 3.0)
        GEOG102H Honors Cultural Geography (units 3.0 - 3.0)
        GSWS101 Introduction to Women's Studies (units 3.0 - 3.0)
        HIST101 World Civilizations to the 16th Century (units 3.0 - 3.0)
        HIST101H Honors World Civilizations to the 16th Century (units 3.0 - 3.0)
        PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
        PSYCC1000H Honors Introduction to Psychology (units 3.0 - 3.0)
        SOC100 Introduction to Sociology (units 3.0 - 3.0)
        SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
  List B - If emphasis is Physical Anthropology, select courses from List B. Select six (6) units from the following: (units 0.0 - 0.0)
  The following number of units
        ANTH101L Physical Anthropology Laboratory (units 1.0 - 1.0)
        BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
        BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
        BIOL109L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
        BIOL109HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
        BIOL149 Human Anatomy and Physiology (units 4.0 - 4.0)

BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
ERTH100 Physical Geology (units 3.0 - 3.0)
ERTH100L Physical Geology Laboratory (units 1.0 - 1.0)
ERTH111 Historical Geology (units 4.0 - 4.0)
GEOG101 Physical Geography (units 3.0 - 3.0)
GEOG101H Honors Physical Geography (units 3.0 - 3.0)
GEOG101L Physical Geography Laboratory (units 1.0 - 1.0)
Control Number: 11939

Anthropology, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 18 – 19
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 (units 18.0 - 19.0)
All of the following
    Major requirements: (units 9.0 - 9.0)
    The following number of units
        Major Requirement (units 3.0 - 6.0)
        At least one of the following
            ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
            ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
        Major Requirement (units 6.0 - 6.0)
        All of the following
            ANTH101 Introduction to Physical Anthropology (units 3.0 - 3.0)
            ANTH103 Introduction to Archaeology (units 3.0 - 3.0)
    Select one (1) course from the following (List A): (units 3.0 - 3.0)
    The following number of units
        ANTH104 Language and Culture (units 3.0 - 3.0)
        ERTH100 Physical Geology (units 3.0 - 3.0)
        GEOG101 Introduction to the Natural Environment (units 3.0 - 3.0)
        GEOG101H Honors Physical Geography (units 3.0 - 3.0)
        GEOG102 Cultural Geography (units 3.0 - 3.0)
        GEOG102H Honors Cultural Geography (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) (units 3.0 - 4.0)
    The following number of units
        GEOG155 Introduction to Geographic Information Systems (units 4.0 - 4.0)
        STATC1000 Introduction to Statistics (units 3.0 - 3.0)
        STATC1000H Introduction to Statistics - Honors (units 3.0 - 3.0)
        STATC1000E Introduction to Statistics (units 4.5 - 4.5)
    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) (units 3.0 - 3.0)
    The following number of units
        COMM225 Gender Communication (units 3.0 - 3.0)
        COMM225H Honors Gender Communication(units 3.0 - 3.0)
        ENGL271 Survey of World Literature I (units 3.0 - 3.0)
        ENGL272 Survey of World Literature II (units 3.0 - 3.0)
        ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
        GEOG100 World Regional Geography (units 3.0 - 3.0)
        GEOG100H Honors World Regional Geography (units 3.0 - 3.0)

GSWS101 Introduction to Women's Studies (units 3.0 - 3.0)
HIST101 World Civilizations to the 16th Century (units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (units 3.0 - 3.0)
HIST124 Mexican American History in the United States (units 3.0 - 3.0)
MUS102 World Music (units 3.0 - 3.0)
PHIL112 World Religions (units 3.0 - 3.0)
PSYC170 Multicultural Psychology (units 3.0 - 3.0)
SOC100 Introduction to Sociology (units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
Control Number: 32043

ART

Art, AA
A.A. Degree Major
Unit Range for Completion: 30 – 30
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 totransfer toa 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 (units 30.0 - 30.0)
All of the following
    Major requirements: (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. (units 0.0 - 0.0)
        ART100 Introduction to Art Concepts (units 3.0 - 3.0)
        ART100H Honors Introduction to Art Concepts (units 3.0 - 3.0)
        ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
        ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
        ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
        ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
        ART110 Two-Dimensional Design (units 3.0 - 3.0)
        ART111 Three-Dimensional Design (units 3.0 - 3.0)
        ART130 Introduction to Drawing (units 3.0 - 3.0)
        ART131 Beginning Life Drawing (units 3.0 - 3.0)
        ART141 Beginning Painting (units 3.0 - 3.0)
    Select six (6) units from the following: (units 6.0 - 6.0)
    The following number of units
        ART128 Introduction to Illustration (units 3.0 - 3.0)
        ART149 Introduction to Digital Photography (units 3.0 - 3.0)
        ART195 Introduction to Digital Media Arts (units 3.0 - 3.0)
        ART228 Intermediate Illustration (units 3.0 - 3.0)
        ART230 Intermediate Drawing (units 3.0 - 3.0)
        ART231 Intermediate Life Drawing (units 3.0 - 3.0)
        ART232 Advanced Life Drawing (units 3.0 - 3.0)
        ART233 Advanced Drawing (units 3.0 - 3.0)
        ART241 Intermediate Painting (units 3.0 - 3.0)
        ART242 Advanced Painting (units 3.0 - 3.0)
        ART249 Intermediate Digital Photography (units 3.0 - 3.0)
        ART250 Advanced Studio Concepts (units 3.0 - 3.0)

Control Number: 11911

Digital Media Arts: Graphic Design, CA
Certificate of Achievement
Unit Range for Completion: 18 – 21
The Certificateof Achievementin Digital Media Arts Graphic Designreflects the industry standard in the field of advertising/graphic design for printed media, the web, and digital imaging. The programis 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 (units 21.0 - 21.0)
All of the following
    Certificate Requirements: (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. (units 0.0 - 0.0)
        Select ART100 or ART100H. Credit will be awarded for one or the other. (units 0.0 - 0.0)
        ART100 Introduction to Art Concepts (units 3.0 - 3.0)
        ART100H Honors Introduction to Art Concepts (units 3.0 - 3.0)
        ART110 Two-Dimensional Design (units 3.0 - 3.0)
        ART122 Graphic Design I (units 3.0 - 3.0)
        ART129 Introduction to Web Design (units 3.0 - 3.0)
        ART130 Introduction to Drawing (units 3.0 - 3.0)
        ART195 Introduction to Digital Media Arts (units 3.0 - 3.0)
    Select one (1) course from the following: (units 3.0 - 3.0)
    The following number of units
        ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
        ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
        ART111 Three-Dimensional Design (units 3.0 - 3.0)
        ART128 Introduction to Illustration (units 3.0 - 3.0)
        ART131 Beginning Life Drawing (units 3.0 - 3.0)
        ART141 Beginning Painting (units 3.0 - 3.0)
        ART149 Introduction to Digital Photography (units 3.0 - 3.0)
        ART221 Graphic Design II (units 3.0 - 3.0)
        ART228 Intermediate Illustration (units 3.0 - 3.0)
        ART230 Intermediate Drawing (units 3.0 - 3.0)
        ART231 Intermediate Life Drawing (units 3.0 - 3.0)
        ART232 Advanced Life Drawing (units 3.0 - 3.0)
        ART250 Advanced Studio Concepts (units 3.0 - 3.0)
        CMPR105 Visual BASIC Programming (units 3.0 - 3.0)
        MKTG112 Principles of Advertising (units 3.0 - 3.0)
Control Number: 21670

Digital Media Arts: Mobile Application Development and Design, CA
Certificate of Achievement
Unit Range for Completion: 18 – 18
The Certificate of Achievement in Digital Media Arts: Mobile Application Development and Designreflects the industry standard in the field of advertising/graphic design for mobile devices, the web, and digital imaging. The program isdesigned with a combination of courses from fine art, digital media, computer science, computer information systems, 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 mobile application design, advertising, graphic design, web design, and digital imaging.
Program Rules: Digital Media Arts: Mobile Application Development and Design, CA (units 18.0 - 18.0)
All of the following
    Certificate requirements: (units 6.0 - 6.0)
    The following number of units
        CIS159 Introduction to iOS/iPhone Mobile App Development (units 3.0 - 3.0)
    If emphasis is Digital Media Art and Design, select courses from List A. If emphasis is Programming, select courses from List B. (units 12.0 - 12.0)
    Select four (4) courses fromList A: Digital Media Art and Design 12 units (units 0.0 - 0.0)
    The following number of units
        ART122 Graphic Design I (units 3.0 - 3.0)
        ART129 Introduction to Web Design (units 3.0 - 3.0)
        ART149 Introduction to Digital Photography (units 3.0 - 3.0)
        ART195 Introduction to Digital Media Arts (units 3.0 - 3.0)
        ART221 Graphic Design II (units 3.0 - 3.0)
        ART229 Multimedia Applications for the Web (units 3.0 - 3.0)
    Select four (4) courses fromList B: Programming 12 units (units 0.0 - 0.0)
    The following number of units
        CIS259 Advanced iOS/iPhone Mobile App Development (units 3.0 - 3.0)
        CMPR112 Java Programming (units 3.0 - 3.0)
        CMPR120 Introduction to Programming (units 3.0 - 3.0)
        CMPR213 C# Programming (units 3.0 - 3.0)
        MKTG112 Principles of Advertising (units 3.0 - 3.0)
Control Number: 35016

Graphic Design, AS
A.S. Degree Major
Unit Range for Completion: 30 – 30
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 (units 30.0 - 30.0)
All of the following
    Major requirements: (units 21.0 - 21.0)
    The following number of units
        ART110 Two-Dimensional Design (units 3.0 - 3.0)
        ART122 Graphic Design I (units 3.0 - 3.0)
        ART129 Introduction to Web Design (units 3.0 - 3.0)
        ART130 Introduction to Drawing (units 3.0 - 3.0)
        ART149 Introduction to Digital Photography (units 3.0 - 3.0)
        ART195 Introduction to Digital Media Arts (units 3.0 - 3.0)
        ART221 Graphic Design II (units 3.0 - 3.0)
    Art History Requirement (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. (units 0.0 - 0.0)
        ART100 Introduction to Art Concepts (units 3.0 - 3.0)
        ART100H Honors Introduction to Art Concepts (units 3.0 - 3.0)
        ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
        ART101H Honors Survey of Western Art History I: Prehistory

Through the Middle Ages (units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
Select one (2) courses from the following: (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. (units 0.0 - 0.0)
ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
ART111 Three-Dimensional Design (units 3.0 - 3.0)
ART128 Introduction to Illustration (units 3.0 - 3.0)
ART131 Beginning Life Drawing (units 3.0 - 3.0)
ART141 Beginning Painting (units 3.0 - 3.0)
ART228 Intermediate Illustration (units 3.0 - 3.0)
ART229 Multimedia Applications for the Web (units 3.0 - 3.0)
ART230 Intermediate Drawing (units 3.0 - 3.0)
ART231 Intermediate Life Drawing (units 3.0 - 3.0)
ART232 Advanced Life Drawing (units 3.0 - 3.0)
ART233 Advanced Drawing (units 3.0 - 3.0)
ART241 Intermediate Painting (units 3.0 - 3.0)
ART242 Advanced Painting (units 3.0 - 3.0)
ART249 Intermediate Digital Photography (units 3.0 - 3.0)
ART250 Advanced Studio Concepts (units 3.0 - 3.0)
CMPR105 Visual BASIC Programming (units 3.0 - 3.0)
Control Number: 11921

Studio Arts, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 24 – 24
The Associate in Arts in Studio Arts for Transfer degreeprovides students with an opportunity toexplore 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 (units 24.0 - 24.0)
All of the following
Major requirements: (units 18.0 - 18.0)
The following number of units
When an honors course is available, students can (units 0.0 - 0.0)
ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
ART110 Two-Dimensional Design (units 3.0 - 3.0)
ART111 Three-Dimensional Design (units 3.0 - 3.0)
ART130 Introduction to Drawing (units 3.0 - 3.0)
ART141 Beginning Painting (units 3.0 - 3.0)
Select two (2) courses from the following (List B): (units 6.0 - 6.0)

The following number of units
ART128 Introduction to Illustration (units 3.0 - 3.0)
ART131 Beginning Life Drawing (units 3.0 - 3.0)
ART149 Introduction to Digital Photography (units 3.0 - 3.0)
ART195 Introduction to Digital Media Arts (units 3.0 - 3.0)
ART230 Intermediate Drawing (units 3.0 - 3.0)
ART231 Intermediate Life Drawing (units 3.0 - 3.0)
ART232 Advanced Life Drawing (units 3.0 - 3.0)
ART233 Advanced Drawing (units 3.0 - 3.0)
ART241 Intermediate Painting (units 3.0 - 3.0)
ART242 Advanced Painting (units 3.0 - 3.0)
Control Number: 31715

ASTRONOMY

Astronomy, AS
A.S. Degree Major
Unit Range for Completion: 25 – 25
The Associate of Science degree in Astronomy provides a foundation in astronomy and physics for studentsplanning 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 (units 25.0 - 25.0)
The following number of units
Rule Group (units 4.0 - 4.0)
All of the following
ASTR100L Astronomy Laboratory (units 1.0 - 1.0)
ASTR102 Introduction to Stars and Galaxies (units 3.0 - 3.0)
Rule Group (units 3.0 - 6.0)
At least one of the following
ASTR103 Introduction to the Solar System (units 3.0 - 3.0)
ASTR112 Introduction to Cosmology (units 3.0 - 3.0)
Rule Group (units 18.0 - 18.0)
All of the following
CMPR120 Introduction to Programming (units 3.0 - 3.0)
PHYS250A Physics for Scientists and Engineers I (units 5.0 - 5.0)
PHYS250B Physics for Scientists and Engineers II (units 5.0 - 5.0)
PHYS250C Physics for Scientists and Engineers III (units 5.0 - 5.0)
Control Number: 33223

BIOLOGY

Biology, AS
A.S. Degree Major
Unit Range for Completion: 25 – 25
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 (units 25.0 - 25.0)
The following number of units
BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
BIOL221 Animal Diversity and Evolution (units 5.0 - 5.0)
BIOL231 Plant Diversity and Ecology (units 5.0 - 5.0)
CHEM200B General Chemistry B (units 5.0 - 5.0)
Rule Group (units 5.0 - 10.0)
At least one of the following
CHEM200A General Chemistry A (units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
Control Number: 11856

Biology, AS-T

A.S. Degree for Transfer
Unit Range for Completion: 37 – 37
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 (units 37.0 - 37.0)
The following number of units
　Rule Group (units 15.0 - 15.0)
　All of the following
　　BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
　　BIOL221 Animal Diversity and Evolution (units 5.0 - 5.0)
　　BIOL231 Plant Diversity and Ecology (units 5.0 - 5.0)
　Rule Group (units 5.0 - 15.0)
　At least one of the following
　　CHEM200A General Chemistry A (units 5.0 - 5.0)
　　CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
　　CHEM200B General Chemistry B (units 5.0 - 5.0)
　Rule Group (units 4.0 - 8.0)
　At least one of the following
　　MATH180 Single Variable Calculus I (units 4.0 - 4.0)
　　MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)
　Rule Group (units 8.0 - 8.0)
　All of the following
　　PHYS150A Introductory Physics I (units 4.0 - 4.0)
　　PHYS150B Introductory Physics II (units 4.0 - 4.0) **Control Number:** 35110

Biotechnology Biomanufacturing Technician, CA

Certificate of Achievement
Unit Range for Completion: 19 – 19
TheCertificate 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 (units 19.0 - 19.0)
The following number of units
　Rule Group (units 14.0 - 14.0)
　All of the following
　　BIOL190 Introduction to Biotechnology (units 3.0 - 3.0)
　　BIOL190L Introduction to Biotechnology Lab (units 1.0 - 1.0)
　　BIOL191 Biotech A: Basic Lab Skills (units 4.0 - 4.0)
　　BIOL192 Biotech B: Proteins (units 4.0 - 4.0)
　　BIOL194 Quality and Regulatory Compliance in Biosciences (units 2.0 - 2.0)
　Rule Group (units 5.0 - 10.0)
　At least one of the following
　　CHEM200A General Chemistry A (units 5.0 - 5.0)
　　CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
Control Number: 32598

Biotechnology Lab Assistant, CA

Certificate of Achievement
Unit Range for Completion: 12 – 13
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 (units 12.0 - 13.0)
The following number of units
　Certificate Requirements: (units 8.0 - 8.0)
　All of the following
　　BIOL191 Biotech A: Basic Lab Skills (units 4.0 - 4.0)
　　CHEM100 Introductory Chemistry (units 4.0 - 4.0)
　Select BIOL 190/190L or BIOL 211: (units 4.0 - 5.0)
　The following number of units
　　BIOL190 Introduction to Biotechnology (units 3.0 - 3.0)
　　BIOL190L Introduction to Biotechnology Lab (units 1.0 - 1.0)
　　BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
Control Number: 40639

Biotechnology Laboratory Technician: Food Safety, CA

Certificate of Achievement
Unit Range for Completion: 10 – 11
TheCertificate 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 (units 10.0 - 11.0)
The following number of units
　BIOL191 Biotech A: Basic Lab Skills (units 4.0 - 4.0)
　BIOL196 Food Safety (units 2.0 - 2.0)
　Select BIOL 190/190L or BIOL 211 (units 0.0 - 0.0)
　BIOL190 Introduction to Biotechnology (units 3.0 - 3.0)
　BIOL190L Introduction to Biotechnology Lab (units 1.0 - 1.0)
　BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
Control Number: 32648

Biotechnology, AS

A.S. Degree Major
Unit Range for Completion: 34 – 34
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 (units 34.0 - 34.0)
All of the following
　Major Requirements: (units 29.0 - 29.0)
　The following number of units
　　BIOL190 Introduction to Biotechnology (units 3.0 - 3.0)
　　BIOL190L Introduction to Biotechnology Lab (units 1.0 - 1.0)
　　BIOL191 Biotech A: Basic Lab Skills (units 4.0 - 4.0)
　　BIOL192 Biotech B: Proteins (units 4.0 - 4.0)
　　BIOL193 Biotech C: Nucleic Acids (units 4.0 - 4.0)

Santiago Canyon College

BIOL194 Quality and Regulatory Compliance in Biosciences (units 2.0 - 2.0)
BIOL202 Cell Culture Techniques (units 2.0 - 2.0)
CHEM200A/200AH are considered the same course. Please select one course. Credit will be awarded for only one course. (units 0.0 - 0.0)
CHEM200A General Chemistry A (units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
MATH219/219H and 219S are considered the same course. Please select one. Credit will be awarded for only one course. (units 0.0 - 0.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
STATC1000E Introduction to Statistics (units 4.5 - 4.5)
Please select one (1) from the following: (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. (units 0.0 - 0.0)
BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
BIOL229 General Microbiology (units 5.0 - 5.0)
Control Number: 32599

General Biotechnology Technician, CA
Certificate of Achievement
Unit Range for Completion: 30 – 35
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 (units 30.0 - 35.0)
All of the following
Certificate Requirements: (units 24.0 - 25.0)
The following number of units
Please select BIOL190 and 190L (4 units) OR BIOL211 (5 units). (units 0.0 - 0.0)
BIOL190 Introduction to Biotechnology (units 3.0 - 3.0)
BIOL190L Introduction to Biotechnology Lab (units 1.0 - 1.0)
BIOL191 Biotech A: Basic Lab Skills (units 4.0 - 4.0)
BIOL192 Biotech B: Proteins (units 4.0 - 4.0)
BIOL193 Biotech C: Nucleic Acids (units 4.0 - 4.0)
BIOL194 Quality and Regulatory Compliance in Biosciences (units 2.0 - 2.0)
BIOL202 Cell Culture Techniques (units 2.0 - 2.0)
BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
CHEM200A/200AH are considered the same course.
Please select one. Credit will be awarded for only one course. (units 0.0 - 0.0)
CHEM200A General Chemistry A (units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (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): (units 6.0 - 10.0)
The following number of units
BIOL139 Health Microbiology (units 4.0 - 4.0)
BIOL177 Human Genetics (units 3.0 - 3.0)
BIOL197 Science, Technology, Engineering and Mathematics (STEM) Internship (units 1.0 - 4.0)
BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
BIOL229 General Microbiology (units 5.0 - 5.0)
BIOL290 Biochemistry and Molecular Biology (units 5.0 - 5.0)

CHEM200B General Chemistry B (units 5.0 - 5.0)
Control Number: 32602

Pre-Nursing and Allied Health Science, AS
A.S. Degree Major
Unit Range for Completion: 27 – 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 (units 27.0 - 28.5)
All of the following
Chemistry (units 4.0 - 5.0)
The following number of units
CHEM100 Introductory Chemistry (units 4.0 - 4.0)
CHEM200A General Chemistry A (units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
Biology (units 13.0 - 13.0)
The following number of units
BIOL229 General Microbiology (units 5.0 - 5.0)
BIOL239 General Human Anatomy (units 4.0 - 4.0)
BIOL249 Human Physiology (units 4.0 - 4.0)
Freshman Composition (units 4.0 - 4.5)
The following number of units
ENGLC1000 Academic Reading and Writing (units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (units 4.0 - 4.0)
ENGL100 Freshman Composition with Integrated Support (units 4.5 - 4.5)
Psychology (units 3.0 - 3.0)
The following number of units
PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
PSYCC1000H Honors Introduction to Psychology (units 3.0 - 3.0)
Sociology (units 3.0 - 3.0)
The following number of units
SOC100 Introduction to Sociology (units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
SOC115 Death and Dying (units 3.0 - 3.0)
Control Number: 41770

Biotechnology Fundamentals, CERT
Certificate of Proficiency
Unit Range for Completion: 8 – 8
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 (units 8.0 - 8.0)
All of the following
BIOL190 Introduction to Biotechnology (units 3.0 - 3.0)
BIOL190L Introduction to Biotechnology Lab (units 1.0 - 1.0)
BIOL191 Biotech A: Basic Lab Skills (units 4.0 - 4.0)
Control Number:

BUSINESS

Business Administration 2.0, AS-T
A.S. Degree for Transfer
Unit Range for Completion: 28 – 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 (units 28.0 - 29.5)
The following number of units
    Complete all the following (units 17.0 - 17.0)
    ACCT101 Financial Accounting (units 4.0 - 4.0)
    ACCT102 Managerial Accounting (units 4.0 - 4.0)
    BUS105 Legal Environment of Business (units 3.0 - 3.0)
    ECON101 Principles/Micro (units 3.0 - 3.0)
    ECON102 Principles/Macro (units 3.0 - 3.0)
    Select One (1) Course (units 4.0 - 13.0)
    At least one of the following
        MATH150 Calculus for Biological, Management, and Social Sciences (units 5.0 - 5.0)
        MATH180 Single Variable Calculus I (units 4.0 - 4.0)
        MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)
    Select One (1) Course (units 4.0 - 12.5)
    At least one of the following
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        STATC1000E Introduction to Statistics (units 4.5 - 4.5)
    Select One (1) Course (units 3.0 - 6.0)
    At least one of the following
        BUS100 Fundamentals of Business (units 3.0 - 3.0)
        BUS222 Business Writing (units 3.0 - 3.0)
Control Number: 42991

Business Administration, AS
A.S. Degree Major
Unit Range for Completion: 26 – 28
The Associate of Science degree in Business Administration enables students to transfer toa 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 (units 26.0 - 28.0)
All of the following
    Major requirements: (units 23.0 - 23.0)
    The following number of units
        ACCT101 Financial Accounting (units 4.0 - 4.0)
        ACCT102 Managerial Accounting (units 4.0 - 4.0)
        BUS105 Legal Environment of Business (units 3.0 - 3.0)
        BUS150 Introduction to Information Systems and Applications (units 3.0 - 3.0)
        BUS222 Business Writing (units 3.0 - 3.0)
        ECON101 Principles/Micro (units 3.0 - 3.0)
        ECON102 Principles/Macro (units 3.0 - 3.0)
    Select one(1) course from the following: (units 3.0 - 5.0)
    The following number of units
        Rule Group (units 14.0 - 14.0)

All of the following
    BUS100 Fundamentals of Business (units 3.0 - 3.0)
    MATH150 Calculus for Biological, Management and Social Sciences (units 5.0 - 5.0)
    MKTG113 Principles of Marketing (units 3.0 - 3.0)
    ACCT100 Accounting for Small Business (units 3.0 - 3.0)
    Rule Group (units 3.0 - 6.0)
    At least one of the following
        BUS120 Principles of Management (units 3.0 - 3.0)
        MGMT120 Principles of Management (units 3.0 - 3.0)
Control Number: 11857

Business Administration, AS-T
A.S. Degree for Transfer
Unit Range for Completion: 28 – 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 in 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: Business Administration, AS-T (units 28.0 - 29.5)
All of the following
    Major Requirements: (units 17.0 - 17.0)
    The following number of units
        ACCT101 Financial Accounting (units 4.0 - 4.0)
        ACCT102 Managerial Accounting (units 4.0 - 4.0)
        BUS105 Legal Environment of Business (units 3.0 - 3.0)
        ECON101 Principles/Micro (units 3.0 - 3.0)
        ECON102 Principles/Macro (units 3.0 - 3.0)
    Select one (1) course: (units 4.0 - 5.0)
    The following number of units
        MATH150 Calculus for Biological, Management, and Social Sciences (units 5.0 - 5.0)
        MATH180 Single Variable Calculus I (units 4.0 - 4.0)
        MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)
    Select one (1) course: (units 4.0 - 4.5)
    The following number of units
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        MATH220 Statistics and Probability with Integrated Review (units 4.5 - 4.5)
    Select one (1) course: (units 3.0 - 3.0)
    The following number of units
        BUS100 Fundamentals of Business (units 3.0 - 3.0)
        BUS222 Business Writing (units 3.0 - 3.0)
Control Number: 31365

Business Information Worker, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12
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 (units 12.0 - 12.0)

The following number of units
   CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
   Rule Group (units 3.0 - 6.0)
   At least one of the following
      BUS121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
      MGMT121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
   Rule Group (units 3.0 - 6.0)
   At least one of the following
      BUS150 Introduction to Information Systems and Applications (units 3.0 - 3.0)
      CMPR100 The Computer and Society (units 3.0 - 3.0)
   Rule Group (units 3.0 - 6.0)
   At least one of the following
      BUS222 Business Writing (units 3.0 - 3.0)
      MGMT122 Business Communications (units 3.0 - 3.0)
Control Number:

Business Management, AS
A.S. Degree Major
Unit Range for Completion: 21 – 22
The Associate of Sciencedegree 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 (units 21.0 - 22.0)
All of the following
   Major requirements: (units 15.0 - 16.0)
   The following number of units
      Rule Group (units 3.0 - 7.0)
      At least one of the following
         ACCT100 Accounting for Small Business (units 3.0 - 3.0)
         ACCT101 Financial Accounting (units 4.0 - 4.0)
      BUS100 Fundamentals of Business (units 3.0 - 3.0)
      Rule Group (units 3.0 - 6.0)
      At least one of the following
         BUS120 Principles of Management (units 3.0 - 3.0)
         MGMT120 Principles of Management (units 3.0 - 3.0)
      Rule Group (units 6.0 - 6.0)
      All of the following
         BUS222 Business Writing (units 3.0 - 3.0)
         MKTG113 Principles of Marketing (units 3.0 - 3.0)
   Select two (2) courses from the following: (units 6.0 - 6.0)
   The following number of units
      Rule Group (units 12.0 - 12.0)
      All of the following
         BUS105 Legal Environment of Business (units 3.0 - 3.0)
         BUS127 Introduction to E-Commerce (units 3.0 - 3.0)
         BUS150 Introduction to Information Systems and Applications (units 3.0 - 3.0)
         MGMT135 Human Resource Management (units 3.0 - 3.0)
      Rule Group (units 3.0 - 6.0)
      At least one of the following
         BUS121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
         MGMT121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
Control Number: 11859

Business Management, CERT
Certificate of Proficiency

Unit Range for Completion: 12 – 13
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 (units 12.0 - 13.0)
All of the following
   Certificate Requirements: (units 9.0 - 10.0)
   The following number of units
      Select one (1) course: ACCT 100 or ACCT 101 (units 0.0 - 0.0)
      ACCT100 Accounting for Small Business (units 3.0 - 3.0)
      ACCT101 Financial Accounting (units 4.0 - 4.0)
      Select one (1) course: BUS 150 or CMPR 100 (units 0.0 - 0.0)
      BUS150 Introduction to Information Systems and Applications (units 3.0 - 3.0)
      CMPR100 The Computer and Society (units 3.0 - 3.0)
      Select one (1) course: BUS 222 or MGMT 122 (units 0.0 - 0.0)
      BUS222 Business Writing (units 3.0 - 3.0)
      MGMT122 Business Communications (units 3.0 - 3.0)
   Select one (1) course from the following: (units 3.0 - 3.0)
   The following number of units
      BUS100 Fundamentals of Business (units 3.0 - 3.0)
      BUS120 Principles of Management (units 3.0 - 3.0)
      MGMT120 Principles of Management (units 3.0 - 3.0)
Control Number:

Entrepreneurship, AS
A.S. Degree Major
Unit Range for Completion: 17 – 19
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 (units 17.0 - 19.0)
All of the following
   Major requirements: (units 15.0 - 16.0)
   The following number of units
      Rule Group (units 3.0 - 7.0)
      At least one of the following
         ACCT100 Accounting for Small Business (units 3.0 - 3.0)
         ACCT101 Financial Accounting (units 4.0 - 4.0)
      Rule Group (units 12.0 - 12.0)
      All of the following
         BUS170 Principles of Small Business Management (units 3.0 - 3.0)
         BUS171 Business Plan for Small Business (units 3.0 - 3.0)
         BUS175 Online Entrepreneurship (units 3.0 - 3.0)
         MKTG172 Small Business Marketing and Advertising (units 3.0 - 3.0)
   Select one(1) course from the following: (units 2.0 - 3.0)
   The following number of units
      ACCT035 QuickBooks (units 2.0 - 2.0)
      BUS127 Introduction to E-Commerce (units 3.0 - 3.0)
Control Number: 11860

Entrepreneurship, CA
Certificate of Achievement
Unit Range for Completion: 17 – 19
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 (units 17.0 - 19.0)
All of the following
    Certificate requirements: (units 15.0 - 16.0)
    The following number of units
        Rule Group (units 3.0 - 7.0)
        At least one of the following
            ACCT100 Accounting for Small Business (units 3.0 - 3.0)
            ACCT101 Financial Accounting (units 4.0 - 4.0)
        Rule Group (units 12.0 - 12.0)
        All of the following
            BUS170 Principles of Small Business Management (units 3.0 - 3.0)
            BUS171 Business Plan for Small Business (units 3.0 - 3.0)
            BUS175 Online Entrepreneurship (units 3.0 - 3.0)
            MKTG172 Small Business Marketing and Advertising (units 3.0 - 3.0)
    Select one (1)course fromthe following: (units 2.0 - 3.0)
    The following number of units
        ACCT035 QuickBooks (units 2.0 - 2.0)
        BUS127 Introduction to E-Commerce (units 3.0 - 3.0)
Control Number: 21635

CHEMISTRY

Chemistry, AS
A.S. Degree Major
Unit Range for Completion: 24 – 24
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 (units 24.0 - 24.0)
The following number of units
    Rule Group (units 5.0 - 10.0)
    At least one of the following
        CHEM200A General Chemistry A (units 5.0 - 5.0)
        CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
    Rule Group (units 15.0 - 15.0)
    All of the following
        CHEM200B General Chemistry B (units 5.0 - 5.0)
        CHEM280A Organic Chemistry A (units 5.0 - 5.0)
        CHEM280B Organic Chemistry B (units 5.0 - 5.0)
    Rule Group (units 4.0 - 8.0)
    At least one of the following
        MATH180 Single Variable Calculus I (units 4.0 - 4.0)
        MATH180H Honors Single Variable Calculus I (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 – 19
The Associate in Arts inChild 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 (units 19.0 - 19.0)
All of the following
    Major requirements: (units 13.0 - 13.0)
    The following number of units
    Major Requirements (units 6.0 - 6.0)
    All of the following
        CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
        CDEV110 Child, Family and Community (DS2) (units 3.0 - 3.0)
    Mathematics Requirement (units 4.0 - 12.0)
    At least one of the following
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        STATC1000E Introduction to Statistics (units 4.0 - 4.0)
    Psychology Requirement (units 3.0 - 6.0)
    At least one of the following
        PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
        PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
    Select two (2) courses from the following (List A): (units 6.0 - 6.0)
    The following number of units
        CDEV108 Observation and Assessment for Early Learning and Development (DS3) (units 3.0 - 3.0)
        CDEV112 Health, Safety and Nutrition for Children (units 3.0 - 3.0)
        CDEV116A Infant/Toddler Growth and Development (DS4) (units 3.0 - 3.0)
        CDEV221 Living and Teaching in a Diverse Society (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 (units 24.5 - 24.5)
The following number of units
    CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
    CDEV108 Observation and Assessment for Early Learning and Development (DS3) (units 3.0 - 3.0)
    CDEV110 Child, Family and Community (DS2) (units 3.0 - 3.0)
    CDEV111A Principles and Practices of Teaching Young Children (units 3.0 - 3.0)
    CDEV111B Introduction to Curriculum for Young Children (units 3.0 - 3.0)
    CDEV112 Health, Safety and Nutrition for Children (units 3.0 - 3.0)
    CDEV221 Living and Teaching in a Diverse Society (units 3.0 - 3.0)
    CDEV298A Practicum in Early Childhood Programs (units 3.5 - 3.5)
Control Number: 35614

Early Childhood Leadership and

Administration, CERT
Certificate of Proficiency
Unit Range for Completion: 16 – 17
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 regulationsare required. A negative TB test result and state-mandated immunizations are required for certificate completion.
Program Rules: Early Childhood Leadership and Administration, CERT (units 16.0 - 17.0)
All of the following
    Certificate requirements: Select six (6) courses. (units 14.0 - 14.0)
    The following number of units
        CDEV215 Administration I: Programs in Early Childhood Education (DS6) (units 3.0 - 3.0)
        CDEV216 Administration II: Personnel and Leadership in Early Childhood Education (DS6) (units 3.0 - 3.0)
        CDEV260 Adult Supervision and Mentoring in Early Learning and Education Programs (units 2.0 - 2.0)
        COMM100 Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM100H Honors Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM101 Group Dynamics (units 3.0 - 3.0)
        MKTG113 Principles of Marketing (units 3.0 - 3.0)
        MKTG172 Small Business Marketing and Advertising (units 3.0 - 3.0)
        Please select COMM100 or COMM100H or COMM101. Credit will only be awarded for one course. (units 0.0 - 0.0)
        Please select MKTG113 or MKTG172. Credit will only be awarded for one course. (units 0.0 - 0.0)
    Electives - Select one (1) course. (units 2.0 - 3.0)
    The following number of units
        CDEV221 Living and Teaching in a Diverse Society (units 3.0 - 3.0)
        CDEV233 Brain-Compatible Guidance and Behavior Management in Early Learning Environments (units 3.0 - 3.0)
        COMM100 Introduction to Interpersonal Communication (units 2.0 - 2.0)
        COMM100H Honors Introduction to Interpersonal Communication (units 2.0 - 2.0)
        COMM101 Group Dynamics (units 3.0 - 3.0)
        MKTG113 Principles of Marketing (units 3.0 - 3.0)
        MKTG172 Small Business Marketing and Advertising (units 3.0 - 3.0)
    An additional course not used above (may not be a course used to satisfy the requirements from above) (units 0.0 - 0.0)
Control Number:

Infant/Toddler, CERT
Certificate of Proficiency
Unit Range for Completion: 15 – 15
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 (units 15.0 - 15.0)
    The following number of units

        CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
        CDEV108 Observation and Assessment for Early Learning and Development (DS3) (units 3.0 - 3.0)
        CDEV110 Child, Family and Community (DS2) (units 3.0 - 3.0)
        CDEV116A Infant/Toddler Growth and Development (DS4) (units 3.0 - 3.0)
        CDEV116B Care and Education for Infants and Toddlers (DS3) (units 3.0 - 3.0)
Control Number:

Level I - Early Childhood Exceptional Needs, CERT
Certificate of Proficiency
Unit Range for Completion: 7 – 10
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 (units 7.0 - 10.0)
    The following number of units
        CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
        CDEV202 Introduction to Children from Special Populations (units 3.0 - 3.0)
        CDEV299 Cooperative Work Experience Education (units 1.0 - 4.0)
Control Number:

Level II - Early Childhood Exceptional Needs, CERT
Certificate of Proficiency
Unit Range for Completion: 10 – 13
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 (units 10.0 - 13.0)
    The following number of units
        CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
        CDEV202 Introduction to Children from Special Populations (units 3.0 - 3.0)
        CDEV203 Curriculum and Intervention Strategies for Special Populations (units 3.0 - 3.0)
        CDEV299 Cooperative Work Experience Education (units 1.0 - 4.0)
Control Number:

Preschool, CERT
Certificate of Proficiency
Unit Range for Completion: 15 – 15

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 (units 15.0 - 15.0)

   The following number of units
      CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
      CDEV108 Observation and Assessment for Early Learning and Development (DS3) (units 3.0 - 3.0)
      CDEV110 Child, Family and Community (DS2) (units 3.0 - 3.0)
      CDEV111A Principles and Practices of Teaching Young Children (units 3.0 - 3.0)
      CDEV111B Introduction to Curriculum for Young Children (units 3.0 - 3.0)

Control Number:

The School-Age Child, CERT
Certificate of Proficiency
Unit Range for Completion: 15 – 15

TheCertificate 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 (units 15.0 - 15.0)

   The following number of units
      CDEV110 Child, Family and Community (DS2) (units 3.0 - 3.0)
      CDEV112 Health, Safety and Nutrition for Children (units 3.0 - 3.0)
      CDEV120A Development of the School-Age Child (DS5) (units 3.0 - 3.0)
      CDEV120B School-Age Child Care and Recreation Activities (DS5) (units 3.0 - 3.0)
      CDEV221 Living and Teaching in a Diverse Society (units 3.0 - 3.0)

Control Number:

COMMUNICATION

Communication Studies, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 18 – 21

The Associate in Arts in Communication Studies for Transfer degreeprovides 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 (units 18.0 - 21.0)

All of the following
   Major requirements: (units 3.0 - 3.0)
   The following number of units

      COMMC1000 Public Speaking (units 3.0 - 3.0)
Selecttwo (2) courses from the following (List A): (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) (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. (units 0.0 - 0.0)
      COMM100 Introduction to Interpersonal Communication (units 3.0 - 3.0)
      COMM100H Honors Introduction to Interpersonal Communication (units 3.0 - 3.0)
      COMM101 Group Dynamics (units 3.0 - 3.0)
      COMM111 Argumentation and Debate (units 3.0 - 3.0)
Selecttwo (2) courses from the following (List B): (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) (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. (units 0.0 - 0.0)
      COMM120 Intercultural Communication (units 3.0 - 3.0)
      COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
      COMM134 Oral Interpretation (units 3.0 - 3.0)
      null (units 0.0 - 0.0)
Selectone (1) course from the following (List C): (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) (units 0.0 - 0.0)
      COMM130 Forensics Team (units 4.0 - 6.0)
      COMM135 Readers' Theatre (units 3.0 - 3.0)
      COMM225 Gender Communication (units 3.0 - 3.0)
      COMM225H Honors Gender Communication (units 3.0 - 3.0)
      COMM230 Advanced Forensics Team (units 4.0 - 6.0)
      ENGL102 Literature and Composition (units 3.0 - 3.0)
      ENGL102H Honors Literature and Composition (units 3.0 - 3.0)
      ENGLC1001 Critical Thinking and Writing (units 4.0 - 4.0)
      ENGLC1001H Critical Thinking and Writing - Honors (units 4.0 - 4.0)
Control Number: 30558

Communication, AA
A.A. Degree Major
Unit Range for Completion: 18 – 18

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 (units 18.0 - 18.0)

All of the following
   Relationship Emphasis (units 3.0 - 3.0)
   The following number of units
      Rule Group (units 3.0 - 6.0)
      At least one of the following
      COMM100 Introduction to Interpersonal Communication

(units 3.0 - 3.0)
COMM100H Honors Introduction to Interpersonal
Communication (units 3.0 - 3.0)
COMM101 Group Dynamics (units 3.0 - 3.0)
Delivery Emphasis (units 3.0 - 3.0)
The following number of units
COMMC1000 Public Speaking (units 3.0 - 3.0)
COMM111 Argumentation and Debate (units 3.0 - 3.0)
Diversity Emphasis (units 3.0 - 3.0)
The following number of units
Rule Group (units 3.0 - 6.0)
At least one of the following
COMM120 Intercultural Communication (units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural
Communication (units 3.0 - 3.0)
Rule Group (units 3.0 - 6.0)
At least one of the following
COMM225 Gender Communication (units 3.0 - 3.0)
COMM225H Honors Gender Communication (units 3.0 - 3.0)
Performance Emphasis (units 3.0 - 3.0)
The following number of units
COMM130 Forensics Team (units 6.0 - 6.0)
COMM134 Oral Interpretation (units 3.0 - 3.0)
COMM135 Readers' Theatre (units 3.0 - 3.0)
COMM230 Advanced Forensics Team (units 6.0 - 6.0)
Required Electives (units 6.0 - 6.0)
The following number of units
Any of the above courses not already completed, but no more than
two (2) additional units of Communication 130 or Communication
230 (units 2.0 - 2.0)
The following number of units
LIB1103 Advanced Internet Research (units 1.5 - 1.5)
Control Number: 11929

COMPUTER INFORMATION SYSTEMS

Computer Information Systems, AS
A.S. Degree Major
Unit Range for Completion: 26 – 28
The Associate ofScience degreein 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 (units 22.0 - 23.0)
All of the following
Major requirements: (units 19.0 - 19.0)
The following number of units
ACCT101 Financial Accounting (units 4.0 - 4.0)
BUS150 Introduction to Information Systems and Applications
(units 3.0 - 3.0)
BUS105 Legal Environment of Business (units 3.0 - 3.0)
CIS106 Microsoft Excel (units 3.0 - 3.0)
CMPR105 Visual BASIC Programming (units 3.0 - 3.0)
CMPR112 Java Programming (units 3.0 - 3.0)
CMPR120 Introduction to Programming (units 3.0 - 3.0)
Select one (1) course from the following: (units 3.0 - 4.0)

The following number of units
Rule Group (units 19.0 - 19.0)
All of the following
ACCT102 Managerial Accounting (units 4.0 - 4.0)
CIS103 Microsoft Word (units 3.0 - 3.0)
ACCT100 Accounting for Small Business (units 3.0 - 3.0)
CIS108 Microsoft Access (units 3.0 - 3.0)
CMPR121 Programming Concepts (units 3.0 - 3.0)
CMPR213 C# Programming (units 3.0 - 3.0)
Rule Group (units 3.0 - 6.0)
At least one of the following
CIS110 Introduction to Microsoft Project (units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (units 3.0 - 3.0)
Control Number: 11902

Computer Information Systems, CA
Certificate of Achievement
Unit Range for Completion: 22 – 23
The Certificate of Achievement in Computer Information Systems is
concernedwith the development ofprocedureswhich 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 (units 22.0 - 23.0)
All of the following
Certificate requirements: (units 19.0 - 19.0)
The following number of units
ACCT101 Financial Accounting (units 4.0 - 4.0)
BUS150 Introduction to Information Systems and Applications
(units 3.0 - 3.0)
CIS106 Microsoft Excel (units 3.0 - 3.0)
CMPR105 Visual BASIC Programming (units 3.0 - 3.0)
CMPR112 Java Programming (units 3.0 - 3.0)
CMPR120 Introduction to Programming (units 3.0 - 3.0)
Select one (1) course from the following: (units 3.0 - 4.0)
The following number of units
Rule Group (units 19.0 - 19.0)
All of the following
ACCT100 Accounting for Small Business (units 3.0 - 3.0)
ACCT102 Managerial Accounting (units 4.0 - 4.0)
CIS103 Microsoft Word (units 3.0 - 3.0)
CIS108 Microsoft Access (units 3.0 - 3.0)
CMPR121 Programming Concepts (units 3.0 - 3.0)
CMPR213 C# Programming (units 3.0 - 3.0)
Rule Group (units 3.0 - 6.0)
At least one of the following
CIS110 Introduction to Microsoft Project (units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (units 3.0 - 3.0)
Control Number: 21647

COMPUTER SCIENCE

Applied Robotics and Embedded Programming, CERT
Certificate of Proficiency
Unit Range for Completion: 9 – 9

TheCertificate 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 (units 9.0 - 9.0)
The following number of units
    CMPR112 Java Programming (units 3.0 - 3.0)
    CMPR157 Introduction to Robotics (units 3.0 - 3.0)
        CMPR213 C# Programming (units 3.0 - 3.0)
Control Number:

Computer Retail Sales and Support, CA
Certificate of Achievement
Unit Range for Completion: 18 – 18
The Certificate of Achievement in Computer Retail Sales and Support is the first stage of the statewide IT Technician pathway and prepares students to develop their fundamental IT Technician Skills. While completing coursework in customer service, communication, Microsoft Office, and information systems coursework, along with earning the CompTIA A+ industry certification, students gain practical experience as they learn how to succeed in an IT retail environment.
Program Rules: Computer Retail Sales and Support, CA (units 18.0 - 18.0)
    The following number of units
        BUS100 Fundamentals of Business (units 3.0 - 3.0)
        BUS150 Introduction to Information Systems and Applications (units 3.0 - 3.0)
    Rule Group (units 3.0 - 6.0)
    At least one of the following
        BUS121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
        MGMT121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
    Rule Group (units 3.0 - 6.0)
    At least one of the following
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
    Rule Group (units 6.0 - 6.0)
    All of the following
        CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
        CMPR120 Introduction to Programming (units 3.0 - 3.0)
Control Number: 36304

Computer Science, AS
A.S. Degree Major
Unit Range for Completion: 18 – 18
The Associate of Sciencedegree in Computer Science leads 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 engineering aides, scientific computing technicians and junior programmers. The program also prepares students to transfer to a university with a major in Computer Science.
Program Rules: Computer Science, AS (units 18.0 - 18.0)
    The following number of units
        CMPR100 The Computer and Society (units 3.0 - 3.0)
        CMPR105 Visual BASIC Programming (units 3.0 - 3.0)
        CMPR112 Java Programming (units 3.0 - 3.0)
        CMPR120 Introduction to Programming (units 3.0 - 3.0)
        CMPR121 Programming Concepts (units 3.0 - 3.0)
        CIS111 Python Programming (units 3.0 - 3.0) **Control Number:** 11903

Computer Science, AS-T

A.S. Degree for Transfer
Unit Range for Completion: 30 – 30
The Associate in Science in Computer Science for Transfer prepares students to move into a curriculum at a four-year institutionleading to a baccalaureate degree. Employment opportunities are available as programmersin 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 (units 30.0 - 30.0)
    All of the following
    Major Requirements: (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. (units 0.0 - 0.0)
    Select MATH180 or MATH180H. Credit will be awarded for one   or the other. (units 0.0 - 0.0)
        CMPR121 Programming Concepts (units 3.0 - 3.0)
        CMPR131 Data Structures Concepts (units 3.0 - 3.0)
        CMPR149 Discrete Structures for Computer Science (units 3.0 - 3.0)
        CMPR154 Computer Architecture and Organization (units 3.0 - 3.0)
        MATH180 Single Variable Calculus I (units 4.0 - 4.0)
        MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)
        MATH185 Single Variable Calculus II (units 4.0 - 4.0)
        PHYS250A Physics for Scientists and Engineers I (units 5.0 - 5.0)
        PHYS250B Physics for Scientists and Engineers II (units 5.0 - 5.0)
Control Number: 33379

Computer Science, CA
Certificate of Achievement
Unit Range for Completion: 18 – 18
TheCertificate of Achievement in Computer Science leads 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 engineering aides, scientific computing technicians and junior programmers. The program also prepares students to transfer to a university with a major in computer science.
Program Rules: Computer Science, CA (units 18.0 - 18.0)
    The following number of units
        CMPR100 The Computer and Society (units 3.0 - 3.0)
        CMPR105 Visual BASIC Programming (units 3.0 - 3.0)
        CMPR112 Java Programming (units 3.0 - 3.0)
        CMPR120 Introduction to Programming (units 3.0 - 3.0)
        CMPR121 Programming Concepts (units 3.0 - 3.0)
        CMPR213 C# Programming (units 3.0 - 3.0)
Control Number: 21649

COSMETOLOGY

Cosmetology, AS
A.S. Degree Major
Unit Range for Completion: 42 – 42
The Associate of Science degreein Cosmetology is designed to exceed minimumCalifornia 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 (units 42.0 - 42.0)
All of the following
    Major Requirements: (units 42.0 - 42.0)
    All of the following
        COSM005 Health and Safety (units 7.0 - 7.0)
        COSM040 Cosmetology (units 35.0 - 35.0)
Control Number: 11948

Cosmetology, CA
Certificate of Achievement
Unit Range for Completion: 42 – 42
The Certificate of Achievement inCosmetology is designed to exceed minimumCalifornia 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 (units 42.0 - 42.0)
    All of the following
    Certificate Requirements: (units 42.0 - 42.0)
    All of the following
        COSM005 Health and Safety (units 7.0 - 7.0)
        COSM040 Cosmetology (units 35.0 - 35.0)
Control Number: 21674

Esthetician, CA
Certificate of Achievement
Unit Range for Completion: 20 – 20
The Certificate ofAchievement in Esthetician is designed to exceed minimumCalifornia 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 (units 20.0 - 20.0)
The following number of units
    COSM005 Health and Safety (units 7.0 - 7.0)
    COSM080 Esthetician (units 13.0 - 13.0)
Control Number: 36520

COUNSELING

California State University General Education Breadth (CSU), CA
Certificate of Achievement
Unit Range for Completion: 39 – 39
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 (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 – 34
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 (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 – 18
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 (units 18.0 - 18.0)
    The following number of units
        ASL110 American Sign Language I (units 4.0 - 4.0)
        ASL111 American Sign Language II (units 4.0 - 4.0)
        ASL116 Introduction to Deaf Studies (units 3.0 - 3.0)
        ASL210 American Sign Language III (units 4.0 - 4.0)
        ART100 Introduction to Art Concepts (units 3.0 - 3.0)
        ART100H Honors Introduction to Art Concepts (units 3.0 - 3.0)
        ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
        ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
        CINE103 History of Film to 1945 (units 3.0 - 3.0)
        CINE104 History of Film From 1945 to Present (units 3.0 - 3.0)
        CINE107 Great Directors (units 3.0 - 3.0)
        CINE108 Film Genres (units 3.0 - 3.0)
        COMM100 Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM100H Honors Introduction to Interpersonal Communication (units 3.0 - 3.0)
        COMM101 Group Dynamics (units 3.0 - 3.0)
        COMMC1000 Introduction to Public Speaking (units 3.0 - 3.0)

COMM111 Argumentation and Debate (units 3.0 - 3.0)
DNCE100 Dance History and Appreciation (units 3.0 - 3.0)
ENGL100 Freshman Composition with Integrated Support (units 4.5 - 4.5)
ENGLC1000 Academic Reading and Writing (units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (units 4.0 - 4.0)
ENGL102 Literature and Composition (units 4.0 - 4.0)
ENGL102H Honors Literature and Composition (units 4.0 - 4.0)
ENGLC1001 Critical Thinking and Writing (units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (units 4.0 - 4.0)
ENGL231 Survey of English Literature I (units 3.0 - 3.0)
ENGL232 Survey of English Literature II (units 3.0 - 3.0)
ENGL233A Shakespeare's Comedies and Romances (units 3.0 - 3.0)
ENGL233B Shakespeare's Tragedies and History Plays (units 3.0 - 3.0)
ENGL241 Survey of American Literature, 1600-1865 (units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (units 3.0 - 3.0)
ENGL270 Children's Literature (units 3.0 - 3.0)
ENGL271 Survey of World Literature I (units 3.0 - 3.0)
ENGL272 Survey of World Literature II (units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (units 3.0 - 3.0)
ENGL279 Survey of Latinx Literature (units 3.0 - 3.0)
ENGL280 Literature of the African Diaspora (units 3.0 - 3.0)
FREN101 Elementary French I (units 5.0 - 5.0)
FREN102 Elementary French II (units 5.0 - 5.0)
FREN194 Conversation and Composition I (units 3.0 - 3.0)
FREN201 Intermediate French I (units 5.0 - 5.0)
FREN202 Intermediate French II (units 5.0 - 5.0)
HIST101 World Civilizations to the 16th Century (units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (units 3.0 - 3.0)
HIST115 African American History (units 3.0 - 3.0)
HIST132 Modern African History (units 3.0 - 3.0)
HIST142 History of the Modern Middle East (units 3.0 - 3.0)
HIST152 Latin American History (units 3.0 - 3.0)
HIST162 Asian Civilizations (units 3.0 - 3.0)
ITAL101 Elementary Italian I (units 5.0 - 5.0)
ITAL102 Elementary Italian II (units 5.0 - 5.0)
ITAL194 Conversation and Composition (units 3.0 - 3.0)
ITAL195 Advanced Conversational Italian (units 3.0 - 3.0)
ITAL201 Intermediate Italian I (units 5.0 - 5.0)
ITAL202 Intermediate Italian II (units 5.0 - 5.0)
MUS101 Music Appreciation (units 3.0 - 3.0)
MUS101H Honors Music Appreciation (units 3.0 - 3.0)
MUS102 World Music (units 3.0 - 3.0)
MUS103 Jazz in America (units 3.0 - 3.0)
MUS104 Rock Music History and Appreciation (units 3.0 - 3.0)
PHIL106 Introduction to Philosophy (units 3.0 - 3.0)
PHIL106H Honors Introduction to Philosophy (units 3.0 - 3.0)
PHIL108 Ethics (units 3.0 - 3.0)
PHIL110 Critical Thinking (units 4.0 - 4.0)
PHIL111 Introductory Logic (units 4.0 - 4.0)
PHIL112 World Religions (units 3.0 - 3.0)
PHIL115 Philosophy of Religion (units 3.0 - 3.0)
PHIL118 History of Philosophy (units 3.0 - 3.0)
PHIL120 Introduction to Social and Political Philosophy (units 3.0 - 3.0)
READ150 Critical Reading (units 3.0 - 3.0)
READ151 Critical Reading and Analysis (units 3.0 - 3.0)
SPAN101 Elementary Spanish I (units 5.0 - 5.0)
SPAN101H Honors Elementary Spanish I (units 5.0 - 5.0)
SPAN101A Elementary Spanish IA (units 2.5 - 2.5)
SPAN101B Elementary Spanish IB (units 2.5 - 2.5)

SPAN102 Elementary Spanish II (units 5.0 - 5.0)
SPAN110 Spanish for Spanish Speakers 1 (units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (units 5.0 - 5.0)
SPAN194 Beginning Conversational Spanish (units 3.0 - 3.0)
SPAN195A Advanced Conversational Spanish (units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (units 3.0 - 3.0)
SPAN201 Intermediate Spanish I (units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (units 5.0 - 5.0)
THEA100 Introduction to Theatre (units 3.0 - 3.0)
Control Number: 18317

Liberal Arts: Mathematics and Sciences, AS

A.S. Degree Major
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
The following number of units
ANTH101L Physical Anthropology Laboratory (units 1.0 - 1.0)
ANTH101 Introduction to Physical Anthropology (units 3.0 - 3.0)
ASTR100L Astronomy Laboratory (units 1.0 - 1.0)
ASTR102 Introduction to Stars and Galaxies (units 3.0 - 3.0)
ASTR103 Introduction to the Solar System (units 3.0 - 3.0)
ASTR104 Introduction to Cosmology (units 3.0 - 3.0)
BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOL115 Concepts in Biology for Educators (units 4.0 - 4.0)
BIOL139 Health Microbiology (units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (units 4.0 - 4.0)
BIOL190 Introduction to Biotechnology (units 3.0 - 3.0)
BIOL190L Introduction to Biotechnology Lab (units 1.0 - 1.0)
BIOL211 Cellular and Molecular Biology (units 5.0 - 5.0)
BIOL221 Animal Diversity and Evolution (units 5.0 - 5.0)

BIOL229 General Microbiology (units 5.0 - 5.0)
BIOL231 Plant Diversity and Ecology (units 5.0 - 5.0)
BIOL239 General Human Anatomy (units 4.0 - 4.0)
BIOL249 Human Physiology (units 4.0 - 4.0)
BIOL259 Environmental Biology (units 4.0 - 4.0)
CHEM100 Introductory Chemistry (units 4.0 - 4.0)
CHEM200A General Chemistry A (units 5.0 - 5.0)
CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
CHEM200B General Chemistry B (units 5.0 - 5.0)
CHEM280A Organic Chemistry A (units 5.0 - 5.0)
CHEM280B Organic Chemistry B (units 5.0 - 5.0)
ENGR220 Statics (units 3.0 - 3.0)
ENGR225 Dynamics (units 3.0 - 3.0)
ENGR230 Network Analysis (units 5.0 - 5.0)
ERTH100 Physical Geology (units 3.0 - 3.0)
ERTH100L Physical Geology Laboratory (units 1.0 - 1.0)
ERTH111 Historical Geology (units 4.0 - 4.0)
ERTH120 Earth Sciences (units 3.0 - 3.0)
ERTH121 Earth Sciences for Educators (units 4.0 - 4.0)
ERTH130 Environmental Geology (units 3.0 - 3.0)
ERTH160 Oceanography (units 3.0 - 3.0)
ERTH200 Geology of California (units 3.0 - 3.0)
GEOG101 Introduction to the Natural Environment (units 3.0 - 3.0)
GEOG101H Honors Introduction to the Natural Environment (units 3.0 - 3.0)
GEOG101L Introduction to the Natural Environment Laboratory (units 1.0 - 1.0)
GEOG130 Introduction to Weather and Climate (units 3.0 - 3.0)
GEOG130H Honors Introduction to Weather and Climate (units 3.0 - 3.0)
MATH080 Intermediate Algebra (units 5.0 - 5.0)
MATH085 Intermediate Algebra with Integrated Support (units 5.5 - 5.5)
MATH086 Intermediate Algebra for Statistics and Liberal Arts (units 4.0 - 4.0)
MATH105 Mathematics for Liberal Arts Students (units 3.0 - 3.0)
MATH140 College Algebra (units 4.0 - 4.0)
MATH150 Calculus for Biological, Management, and Social Sciences (units 5.0 - 5.0)
MATH170 Pre-Calculus Mathematics (units 4.0 - 4.0)
MATH171 Precalculus and Trigonometry (units 5.0 - 5.0)
MATH180 Single Variable Calculus I (units 4.0 - 4.0)
MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)
MATH185 Single Variable Calculus II (units 4.0 - 4.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
MATH220 Statistics and Probability with Integrated Review (units 4.0 - 4.0)
MATH225 Introduction to Data Science (units 4.0 - 4.0)
MATH280 Intermediate Calculus (units 4.0 - 4.0)
MATH287 Introduction to Linear Algebra and Differential Equations (units 5.0 - 5.0)
MATH290 Linear Algebra (units 3.0 - 3.0)
MATH295 Differential Equations (units 3.0 - 3.0)
PHYS100 Conceptual Physics (units 4.0 - 4.0)
PHYS150A Introductory Physics I (units 4.0 - 4.0)
PHYS150AC Introductory Physics I - Calculus (units 1.0 - 1.0)
PHYS150B Introductory Physics II (units 4.0 - 4.0)
PHYS150BC Introductory Physics II - Calculus (units 1.0 - 1.0)
PHYS250A Physics for Scientists and Engineers I (units 5.0 - 5.0)
PHYS250B Physics for Scientists and Engineers II (units 5.0 - 5.0)
PHYS250C Physics for Scientists and Engineers III (units 5.0 - 5.0)
PSC100 Survey of Chemistry and Physics (units 4.0 - 4.0)
PSYC200 Introduction to Biological Psychology (units 3.0 - 3.0)

WATR107 California Water Resources (units 3.0 - 3.0)
Control Number: 18318

Liberal Arts: Multi-Cultural Studies, AA
A.A. Degree Major
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
The following number of units
    ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
    ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
    ANTH104 Language and Culture (units 3.0 - 3.0)
    ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
    ART101H Honors Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
    ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
    ART102H Honors Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
    ASL110 American Sign Language I (units 4.0 - 4.0)
    ASL111 American Sign Language II (units 4.0 - 4.0)
    ASL116 Introduction to Deaf Studies (units 3.0 - 3.0)
    ASL210 American Sign Language III (units 4.0 - 4.0)
    CNSL101 Educational, Personal, Cultural, and Career Exploration (units 3.0 - 3.0)
    CNSL116 Career/Life Planning and Personal Exploration (units 3.0 - 3.0)
    CNSL118 Self Exploration and the Teaching Profession (units 2.0 - 2.0)
    CNSL150 Introduction to Human Services (units 3.0 - 3.0)
    COMM120 Intercultural Communication (units 3.0 - 3.0)
    COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
  COMM225 Gender Communication (units 3.0 - 3.0)
  COMM225H Honors Gender Communication (units 3.0 - 3.0)
  EDUC101 American Schools and Society (units 3.0 - 3.0)
  ENGL271 Survey of World Literature I (units 3.0 - 3.0)
  ENGL272 Survey of World Literature II (units 3.0 - 3.0)
  ENGL278 Survey of Literature by Women (units 3.0 - 3.0)

ENGL279 Survey of Latinx Literature (units 3.0 - 3.0)
ENGL280 Literature of the African Diaspora (units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
ETHN110 Introduction to Asian Pacific American Studies (units 3.0 - 3.0)
ETHN120 Introduction to African American Studies (units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
ETHN140 Introduction to Native American Studies (units 3.0 - 3.0)
FREN101 Elementary French I (units 5.0 - 5.0)
FREN102 Elementary French II (units 5.0 - 5.0)
FREN194 Conversation and Composition I (units 3.0 - 3.0)
FREN201 Intermediate French I (units 5.0 - 5.0)
FREN202 Intermediate French II (units 5.0 - 5.0)
GSWS101 Introduction to Women's Studies (units 3.0 - 3.0)
GSWS102 Money, Sex, and Power (units 3.0 - 3.0)
GSWS103 Men and Masculinities (units 3.0 - 3.0)
HIST115 African American History (units 3.0 - 3.0)
HIST124 Mexican American History in the United States (units 3.0 - 3.0)
HIST127 Women in U.S. History (units 3.0 - 3.0)
HIST132 Modern African History (units 3.0 - 3.0)
HIST142 History of the Modern Middle East (units 3.0 - 3.0)
HIST152 Latin American History (units 3.0 - 3.0)
HIST162 Asian Civilizations (units 3.0 - 3.0)
ITALI01 Elementary Italian I (units 5.0 - 5.0)
ITALI02 Elementary Italian II (units 5.0 - 5.0)
ITALI94 Conversation and Composition (units 3.0 - 3.0)
ITALI95 Advanced Conversational Italian (units 3.0 - 3.0)
ITAL201 Intermediate Italian I (units 5.0 - 5.0)
ITAL202 Intermediate Italian II (units 5.0 - 5.0)
KIN110 Women's Health Issues (units 3.0 - 3.0)
MUS103 Jazz in America (units 3.0 - 3.0)
NUTRI20 Food and Culture (units 3.0 - 3.0)
PHIL112 World Religions (units 3.0 - 3.0)
POLT221 Women in American Politics (units 3.0 - 3.0)
PSYC170 Multicultural Psychology (units 3.0 - 3.0)
PSYC180 Psychology of Gender (units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
SPAN101 Elementary Spanish I (units 5.0 - 5.0)
SPAN101H Honors Elementary Spanish I (units 5.0 - 5.0)
SPAN101A Elementary Spanish IA (units 2.5 - 2.5)
SPAN101B Elementary Spanish IB (units 2.5 - 2.5)
SPAN102 Elementary Spanish II (units 5.0 - 5.0)
SPAN110 Spanish for Spanish Speakers 1 (units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (units 5.0 - 5.0)
SPAN194 Beginning Conversational Spanish (units 3.0 - 3.0)
SPAN195A Advanced Conversational Spanish (units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (units 3.0 - 3.0)
SPAN201 Intermediate Spanish I (units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (units 5.0 - 5.0)
Control Number: 18319

Liberal Arts: Social and Behavioral Sciences, AA
A.A. Degree Major
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
The following number of units
   ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
   ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
   ANTH103 Introduction to Archaeology (units 3.0 - 3.0)
   ANTH104 Language and Culture (units 3.0 - 3.0)
   CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
   CDEV110 Child, Family and Community (DS2) (units 3.0 - 3.0)
   CDEV202 Introduction to Children from Special Populations (units 3.0 - 3.0)
   CDEV203 Curriculum and Intervention Strategies for Special Populations (units 3.0 - 3.0)
   CDEV221 Living and Teaching in a Diverse Society (units 3.0 - 3.0)
   CINE105 Mass Media and Society (units 3.0 - 3.0)
   CJ101 Introduction to Criminal Justice (units 3.0 - 3.0)
   CMPR100 The Computer and Society (units 3.0 - 3.0)
   CNSL150 Introduction to Human Services (units 3.0 - 3.0)
   COMM120 Intercultural Communication (units 3.0 - 3.0)
   COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
   COMM225 Gender Communication (units 3.0 - 3.0)
   COMM225H Honors Gender Communication   (units 3.0 - 3.0)
   ECON101 Principles/Micro (units 3.0 - 3.0)
   ECON102 Principles/Macro (units 3.0 - 3.0)
   ENGL278 Survey of Literature by Women (units 3.0 - 3.0)
   ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
   ETHN110 Introduction to Asian Pacific American Studies (units 3.0 - 3.0)
   ETHN120 Introduction to African American Studies (units 3.0 - 3.0)
   ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
   ETHN140 Introduction to Native American Studies (units 3.0 - 3.0)
   GEOG100 World Regional Geography (units 3.0 - 3.0)
   GEOG100H Honors World Regional Geography (units 3.0 - 3.0)
   GEOG102 Cultural Geography (units 3.0 - 3.0)
   GEOG102H Honors Cultural Geography (units 3.0 - 3.0)
   GSWS101 Introduction to Women's Studies (units 3.0 - 3.0)
   GSWS102 Money, Sex, and Power (units 3.0 - 3.0)
   GSWS103 Men and Masculinities (units 3.0 - 3.0)
   HIST101 World Civilizations to the 16th Century (units 3.0 - 3.0)
   HIST101H Honors World Civilizations to the 16th Century (units 3.0 - 3.0)
   HIST102 World Civilizations Since the 16th Century (units 3.0 - 3.0)
   HIST102H Honors World Civilizations Since the 16th Century (units 3.0 - 3.0)
   HIST115 African American History (units 3.0 - 3.0)
   HIST118 Social and Cultural History of the United States (units 3.0 - 3.0)
   HIST120 The United States to 1877 (units 3.0 - 3.0)
   HIST120H Honors The United States to 1877 (units 3.0 - 3.0)
   HIST121 The United States Since 1865 (units 3.0 - 3.0)
   HIST121H Honors the United States Since 1865 (units 3.0 - 3.0)

HIST124 Mexican American History in the United States (units 3.0 - 3.0)
HIST126 United States since 1945 (units 3.0 - 3.0)
HIST127 Women in U.S. History (units 3.0 - 3.0)
HIST132 Modern African History (units 3.0 - 3.0)
HIST133 History of California (units 3.0 - 3.0)
HIST142 History of the Modern Middle East (units 3.0 - 3.0)
HIST152 Latin American History (units 3.0 - 3.0)
HIST162 Asian Civilizations (units 3.0 - 3.0)
HIST240 Introduction to Peace and Conflict Studies (units 3.0 - 3.0)
IDS155 Human Sexuality (units 3.0 - 3.0)
KIN109 Sport in US Society (units 3.0 - 3.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
STATC1000E Introduction to Statistics (units 4.0 - 4.0)
POLSC1000 American Government and Politics (units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (units 3.0 - 3.0)
POLT110 Introduction to Political Science (units 3.0 - 3.0)
POLT201 Introduction to Comparative Politics (units 3.0 - 3.0)
POLT220 International Politics (units 3.0 - 3.0)
POLT221 Women in American Politics (units 3.0 - 3.0)
POLT230 Political Theory (units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
PSYC157 Introduction to Child Psychology (units 3.0 - 3.0)
PSYC160 Introduction to Lifespan Psychology (units 3.0 - 3.0)
PSYC170 Multicultural Psychology (units 3.0 - 3.0)
PSYC180 Psychology of Gender (units 3.0 - 3.0)
PSYC190 Psychology of Human Sexuality (units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (units 4.0 - 4.0)
PSYC230 Psychology of Adjustment (units 3.0 - 3.0)
PSYC240 Introduction to Social Psychology (units 3.0 - 3.0)
PSYC250 Introduction to Abnormal Psychology (units 3.0 - 3.0)
SOC100 Introduction to Sociology (units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
SOC115 Death and Dying (units 3.0 - 3.0)
SOC116 Social Problems (units 3.0 - 3.0)
SOC120 Introduction to Sociological Research Methods (units 3.0 - 3.0)
SOC125 Introduction to Statistics in Sociology (units 3.0 - 3.0)
SOC125H Honors Introduction to Statistics in Sociology (units 3.0 - 3.0)
SOC130 Relationships, Marriages, and Family Dynamics (units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
SOC240 Introduction to Social Psychology (units 3.0 - 3.0)
SOC240H Honors Introduction to Social Psychology (units 3.0 - 3.0)
SOC286 Introduction to LGBTQ Studies (units 3.0 - 3.0)
Control Number: 18320

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 (units 29.5 - 30.5)
All of the following
    Required Core: (units 4.0 - 4.0)

The following number of units
    General Biology Requirement (units 3.0 - 6.0)
    At least one of the following
        BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
        BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
    Biological Sciences Lab Requirement (units 1.0 - 14.0)
    At least one of the following
        BIOL109HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
        BIOL109L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
        BIOL149 Human Anatomy and Physiology (units 4.0 - 4.0)
        BIOL239 General Human Anatomy (units 4.0 - 4.0)
        BIOL249 Human Physiology (units 4.0 - 4.0)
Required core continued: (units 19.5 - 19.5)
The following number of units
    Counseling Requirement (units 6.0 - 6.0)
    All of the following
        CNSL150 Introduction to Human Services (units 3.0 - 3.0)
        CNSL160A The Helping Professions Seminar (units 1.0 - 1.0)
        CNSL160B Fieldwork Experience for the Helping Professions (units 2.0 - 2.0)
    Economics Requirement (units 3.0 - 6.0)
    At least one of the following
        ECON101 Principles/Micro (units 3.0 - 3.0)
        ECON102 Principles/Macro (units 3.0 - 3.0)
    Statistics and Probability Requirement: Select one course. (units 4.0 - 12.5)
    At least one of the following
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        STATC1000E Introduction to Statistics (units 4.5 - 4.5)
    Psychology Requirement (units 3.0 - 6.0)
    At least one of the following
        PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
        PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
    Sociology Requirement (units 3.0 - 6.0)
    At least one of the following
        SOC100 Introduction to Sociology (units 3.0 - 3.0)
        SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
Select (2) two courses from the following (List A): (units 6.0 - 7.0)
The following number of units
    Anthropology Requirement (units 3.0 - 6.0)
    At least one of the following
        ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
        ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
    Child Development Requirement (units 3.0 - 6.0)
    At least one of the following
        CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
        PSYC157 Introduction to Child Psychology (units 3.0 - 3.0)
    Select one of the following (units 3.0 - 6.0)
    At least one of the following
        CDEV110 Child, Family and Community (DS2) (units 3.0 - 3.0)
        CJ101 Introduction to Criminal Justice (units 3.0 - 3.0)
    Select one of the following (units 3.0 - 6.0)
    At least one of the following
        COMM120 Intercultural Communication (units 3.0 - 3.0)
        COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
    Select one of the following (units 4.0 - 8.0)
    At least one of the following
        ENGLC1001 Critical Thinking and Writing (units 4.0 - 4.0)
        ENGLC1001H Critical Thinking and Writing - Honors (units 4.0 - 4.0)
    Select one of the following (units 3.0 - 6.0)

At least one of the following
> HIST120 The United States to 1877 (units 3.0 - 3.0)
> HIST120H Honors The United States to 1877 (units 3.0 - 3.0)

Select one of the following (units 3.0 - 6.0)

At least one of the following
> HIST121 The United States Since 1865 (units 3.0 - 3.0)
> HIST121H Honors the United States Since 1865 (units 3.0 - 3.0)

Select one of the following (units 3.0 - 12.0)

At least one of the following
> PSYC160 Introduction to Lifespan Psychology (units 3.0 - 3.0)
> PSYC230 Psychology of Adjustment (units 3.0 - 3.0)
> PSYC250 Introduction to Abnormal Psychology (units 3.0 - 3.0)
> SOC116 Social Problems (units 3.0 - 3.0)

Control Number: 37164

EARTH SCIENCE

Earth Sciences, AS

A.S. Degree Major

Unit Range for Completion: 18 – 21

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 (units 18.0 - 21.0)

All of the following

Major requirements: (units 11.0 - 11.0)

The following number of units
> ERTH100 Physical Geology (units 3.0 - 3.0)
> ERTH100L Physical Geology Laboratory (units 1.0 - 1.0)
> ERTH111 Historical Geology (units 4.0 - 4.0)
> Please select one (1) of the following: (units 0.0 - 0.0)
> ERTH130 Environmental Geology (units 3.0 - 3.0)
> ERTH160 Oceanography (units 3.0 - 3.0)
> GEOG130 Introduction to Weather and Climate (units 3.0 - 3.0)

Select a minimum of six (6) units from the following: (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) (units 0.0 - 0.0)
> GEOG155 and SURV155 are considered the same course and credit will be awarded for only one course. (units 0.0 - 0.0)
> ASTR103 Introduction to the Solar System (units 3.0 - 3.0)
> ERTH120 Earth Sciences (units 3.0 - 3.0)
> ERTH121 Earth Sciences for Educators (units 3.0 - 3.0)
> GEOG150 Exploring Maps and Geographic Technologies (units 4.0 - 4.0)
> GEOG155 Introduction to Geographic Information Systems (units 3.0 - 3.0)
> LIBI100 Library Research Fundamentals (units 3.0 - 3.0)
> LIBI103 Advanced Internet Research (units 1.0 - 1.0)
> SURV155 Introduction to Geographic Information Systems (units 3.0 - 3.0)

Select a minimum of one (1) unit from the following: (units 1.0 - 4.0)

The following number of units
> ERTH200 Geology of California (units 3.0 - 3.0)
> ERTH212 San Andreas Fault System Geology Field Study (units 1.0 - 1.0)
> ERTH214 Orange County Geology Field Study (units 1.0 - 1.0)

Control Number: 11934

ECONOMICS

Economics, AA

A.A. Degree Major

Unit Range for Completion: 21 – 23

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 (units 21.0 - 23.0)

The following number of units

Major Requirements (units 14.0 - 14.0)

All of the following
> ACCT101 Financial Accounting (units 4.0 - 4.0)
> ACCT102 Managerial Accounting (units 4.0 - 4.0)
> ECON101 Principles/Micro (units 3.0 - 3.0)
> ECON102 Principles/Macro (units 3.0 - 3.0)

Mathematics and Quantitative Reasoning (units 3.0 - 8.0)

At least one of the following
> BUS150 Introduction to Information Systems and Applications (units 3.0 - 3.0)
> MATH150 Calculus for Biological, Management, and Social Sciences (units 5.0 - 5.0)

Statistics and Probability (units 4.0 - 12.0)

At least one of the following
> STATC1000 Introduction to Statistics (units 4.0 - 4.0)
> STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
> STATC1000E Introduction to Statistics (units 4.0 - 4.0)

Control Number: 11943

Economics, AA-T

A.A. Degree for Transfer

Unit Range for Completion: 21 – 24

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 (units 21.0 - 24.0)

All of the following

Major requirements: (units 14.0 - 15.0)

The following number of units

Major Requirements (units 6.0 - 6.0)

All of the following
> ECON101 Principles/Micro (units 3.0 - 3.0)
> ECON102 Principles/Macro (units 3.0 - 3.0)

Statistics and Probability (units 4.0 - 12.0)

At least one of the following
> STATC1000 Introduction to Statistics (units 4.0 - 4.0)
> STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
> STATC1000E Introduction to Statistics (units 4.0 - 4.0)

Calculus Requirement (units 4.0 - 13.0)

At least one of the following
> MATH150 Calculus for Biological, Management, and Social Sciences (units 5.0 - 5.0)
> MATH180 Single Variable Calculus I (units 4.0 - 4.0)
> MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)

Select one (1) course from the following (List A): (units 4.0 - 4.0)

The following number of units
> ACCT101 Financial Accounting (units 4.0 - 4.0)
> MATH185 Single Variable Calculus II (units 4.0 - 4.0)

Select one (1) course from the following (List B): (units 3.0 - 5.0)
The following number of units
    ACCT102 Managerial Accounting (units 4.0 - 4.0)
    BUS150 Introduction to Information Systems and Applications (units 4.0 - 4.0)
    BUS222 Business Writing (units 3.0 - 3.0)
    MATH280 Intermediate Calculus (units 3.0 - 3.0)
    MATH287 Introduction to Linear Algebra and Differential Equations (units 4.0 - 4.0)
    MATH290 Linear Algebra (units 5.0 - 5.0)
Control Number: 32968

EDUCATION

After School Program Assistant, CA
Certificate of Achievement
Unit Range for Completion: 9 – 10
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 (units 9.0 - 10.0)
The following number of units
  Rule Group (units 7.0 - 7.0)
  All of the following
    CDEV120A Development of the School-Age Child (DS5) (units 3.0 - 3.0)
    CDEV120B School-Age Child Care and Recreation Activities (DS5) (units 3.0 - 3.0)
    EDUC113 Educational Strategies for Tutors and Instructional Aides (units 1.0 - 1.0)
  Rule Group (units 2.0 - 5.0)
  At least one of the following
    CNSL118 Self Exploration and the Teaching Profession (units 2.0 - 2.0)
    EDUC110 The Teaching Experience: Exploration (units 3.0 - 3.0)
Control Number: 38157

After School Program Associate Teacher, CA
Certificate of Achievement
Unit Range for Completion: 15 – 16
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 (units 15.0 - 16.0)
The following number of units
  Rule Group (units 2.0 - 5.0)
  At least one of the following
    CNSL118 Self Exploration and the Teaching Profession (units 2.0 - 2.0)
    EDUC110 The Teaching Experience: Exploration (units 3.0 - 3.0)
  Rule Group (units 3.0 - 6.0)
  At least one of the following
    CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
    PSYC157 Introduction to Child Psychology (units 3.0 - 3.0)
  Rule Group (units 10.0 - 10.0)

All of the following
    COMMC1000 Public Speaking (units 3.0 - 3.0)
    EDUC211 Classroom Practices for Diverse Learners (units 3.0 - 3.0)
    EDUC113 Educational Strategies for Tutors and Instructional Aides (units 1.0 - 1.0)
    CDEV120B School-Age Child Care and Recreation Activities (DS5) (units 3.0 - 3.0)
Control Number: 37911

Elementary Education, AA
A.A. Degree Major
Unit Range for Completion: 25 – 27
The Associate of Arts degree in Elementary Education is designed to prepare students for transfer to a four-year university traditional or integrated elementary teachereducation program. It incorporateselementary teachingsubject 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 (units 25.0 - 27.0)
The following number of units
  Rule Group (units 2.0 - 5.0)
  At least one of the following
    CNSL118 Self Exploration and the Teaching Profession (units 2.0 - 2.0)
    EDUC110 The Teaching Experience: Exploration (units 3.0 - 3.0)
  Rule Group (units 16.0 - 16.0)
  All of the following
    EDUC101 American Schools and Society (units 3.0 - 3.0)
    EDUC200 Introduction to Elementary Classroom Teaching (units 3.0 - 3.0)
    BIOL115 Concepts in Biology for Educators (units 4.0 - 4.0)
    ENGL270 Children's Literature (units 3.0 - 3.0)
    CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
  Rule Group (units 4.0 - 8.0)
  At least one of the following
    ERTH121 Earth Sciences for Educators (units 4.0 - 4.0)
    PSC100 Survey of Chemistry and Physics (units 4.0 - 4.0)
  Rule Group (units 3.0 - 7.0)
  At least one of the following
    MATH105 Mathematics for Liberal Arts Students (units 3.0 - 3.0)
    MATH203 Fundamental Concepts of Elementary Mathematics (units 4.0 - 4.0)
Control Number: 17759

Elementary Teacher Education, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 52 – 57
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 requirementsas 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 (units 52.0 - 57.0)

All of the following
Major requirements: (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. (units 0.0 - 0.0)
BIOL115 Concepts in Biology for Educators (units 4.0 - 4.0)
CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
COMMC1000 Public Speaking (units 3.0 - 3.0)
EDUC200 Introduction to Elementary Classroom Teaching (units 3.0 - 3.0)
Select ENGL1000 or ENGL1000H. Credit will be awarded for one or the other. (units 0.0 - 0.0)
ENGLC1000 Academic Reading and Writing (units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (units 4.0 - 4.0)
Select ENGL102 or ENGL102H. Credit will be awarded for one or the other. (units 0.0 - 0.0)
ENGL102 Literature and Composition (units 4.0 - 4.0)
ENGL102H Honors Literature and Composition (units 4.0 - 4.0)
ERTH121 Earth Sciences for Educators (units 4.0 - 4.0)
Select GEOG100 or GEOG100H. Credit will be awarded for one or the other. (units 0.0 - 0.0)
GEOG100 World Regional Geography (units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (units 3.0 - 3.0)
Select HIST101 or HIST101H. Credit will be awarded for one or the other. (units 0.0 - 0.0)
HIST101 World Civilizations to the 16th Century (units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (units 3.0 - 3.0)
Select HIST120 or HIST120H. Credit will be awarded for one or the other. (units 0.0 - 0.0)
HIST120 The United States to 1877 (units 3.0 - 3.0)
HIST120H Honors The United States to 1877 (units 3.0 - 3.0)
MATH203 Fundamental Concepts of Elementary Mathematics (units 4.0 - 4.0)
Select POLSC1000 or POLSC1000H. Credit will be awarded for one or the other. (units 0.0 - 0.0)
POLSC1000 American Government and Politics (units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (units 3.0 - 3.0)
PSC100 Survey of Chemistry and Physics (units 4.0 - 4.0)
Selectone (1) course from the following (List A): (units 4.0 - 4.0)
The following number of units
ENGLC1001 Critical Thinking and Writing (units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (units 4.0 - 4.0)
PHIL110 Critical Thinking (units 4.0 - 4.0)
Select one (1) course from the following (List B): (units 3.0 - 3.0)
The following number of units
ART100 Introduction to Art Concepts (units 3.0 - 3.0)
ART100H Honors Introduction to Art Concepts (units 3.0 - 3.0)
DNCE100 Dance History and Appreciation (units 3.0 - 3.0)
MUS101 Music Appreciation (units 3.0 - 3.0)
MUS101H Honors Music Appreciation (units 3.0 - 3.0)
THEA100 Introduction to Theatre (units 3.0 - 3.0)
Up to five (5) units from the following (List C): (units 0.0 - 5.0)
The following number of units
ANTH104 Language and Culture (units 3.0 - 3.0)
EDUC101 American Schools and Society (units 3.0 - 3.0)
EDUC110 The Teaching Experience: Exploration (units 3.0 - 3.0)
EDUC206 Proficiency in Educational Technologies for Teachers (units 3.0 - 3.0)
ENGL231 Survey of English Literature I (units 3.0 - 3.0)
ENGL232 Survey of English Literature II (units 3.0 - 3.0)
ENGL241 Survey of American Literature, 1600-1865 (units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (units 3.0 - 3.0)
ENGL270 Children's Literature (units 3.0 - 3.0)
ENGL271 Survey of World Literature I (units 3.0 - 3.0)
ENGL272 Survey of World Literature II (units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
FREN102 Elementary French II (units 5.0 - 5.0)
HIST133 History of California (units 3.0 - 3.0)
MATH105 Mathematics for Liberal Arts Students (units 3.0 - 3.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
STATC1000E Introduction to Statistics (units 4.0 - 4.0)
PHIL106 Introduction to Philosophy (units 3.0 - 3.0)
PHIL106H Honors Introduction to Philosophy (units 3.0 - 3.0)
PHIL108 Ethics (units 3.0 - 3.0)
PHIL112 World Religions (units 3.0 - 3.0)
SPAN102 Elementary Spanish II (units 5.0 - 5.0)
Control Number: 31735

Special Education Paraprofessional, CA
Certificate of Achievement
Unit Range for Completion: 14 – 15
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 (units 14.0 - 15.0)
All of the following
Certificate Requirements (units 14.0 - 15.0)
The following number of units
EDUC209 Roles and Responsibilities of the Special Education Paraprofessional (units 3.0 - 3.0)
CDEV205 Introduction to Children with Special Needs (units 3.0 - 3.0)
EDUC211 Classroom Practices for Diverse Learners (units 3.0 - 3.0)
Please select CDEV107 or PSYC157. Credit will be awarded for only one course. (units 0.0 - 0.0)
CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
PSYC157 Introduction to Child Psychology (units 3.0 - 3.0)
Please select CNSL118 or EDUC110. Credit will be awarded for only one course. (units 0.0 - 0.0)
CNSL118 Self Exploration and the Teaching Profession (units 2.0 - 2.0)
EDUC110 The Teaching Experience: Exploration (units 3.0 - 3.0)
Control Number: 38158

Bilingual Instructional Aide: Spanish, CA
Certificate of Achievement
Unit Range for Completion: 6 – 11
The Certificate of Achievement in Bilingual Instructional Aide is designed to prepare a student for an entry-level position requiring bilingual ability, practical skills, and knowledge to work with teachers to support students/individuals in K-12 or adult education settings. This certificate program supports the requirements of federal legislation for Title I schools that all paraprofessionals/instructional aides be "highly qualified." In addition, the courses introduce the student to career opportunities such as Bilingual Teacher and in other educational settings requiring bilingual abilities.
Program Rules: Bilingual Instructional Aide: Spanish, CA (units 6.0 - 11.0)
The following number of units
Rule Group (units 6.0 - 6.0)
All of the following
EDUC110 The Teaching Experience: Exploration (units 3.0 - 3.0)
EDUC113 Tutoring Reading in Elementary Schools (units 1.0 - 1.0)

SPAN115 Practical Communication in Spanish for Teachers (units 2.0 - 2.0)
Rule Group (units 0.0 - 10.0)
At least one of the following
SPAN102 Elementary Spanish II (units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (units 5.0 - 5.0)
Seal of Biliteracy in Spanish Language (units 0.0 - 0.0)
Control Number: 37913

ELECTRICIAN

General Electrician, AS
A.S. Degree Major
Unit Range for Completion: 31.5 – 31.5
The Associate of Sciencedegree 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 (units 31.5 - 31.5)
The following number of units
ELCT041 General Electrician 1 (units 3.0 - 3.0)
ELCT042 General Electrician 2 (units 3.0 - 3.0)
ELCT043 General Electrician 3 (units 3.0 - 3.0)
ELCT044 General Electrician 4 (units 3.0 - 3.0)
ELCT046 General Electrician 6 (units 3.0 - 3.0)
ELCT045 General Electrician 5 (units 3.0 - 3.0)
ELCT047 General Electrician 7 (units 3.0 - 3.0)
ELCT048 General Electrician 8 (units 3.0 - 3.0)
ELCT049 General Electrician 9 (units 3.0 - 3.0)
ELCT050 General Electrician 10 (units 3.0 - 3.0)
ELCT051 Quality Safety Program and First Aid (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 inGeneral 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 (units 31.5 - 31.5)
The following number of units
ELCT041 General Electrician 1 (units 3.0 - 3.0)
ELCT042 General Electrician 2 (units 3.0 - 3.0)
ELCT043 General Electrician 3 (units 3.0 - 3.0)
ELCT044 General Electrician 4 (units 3.0 - 3.0)
ELCT045 General Electrician 5 (units 3.0 - 3.0)
ELCT046 General Electrician 6 (units 3.0 - 3.0)
ELCT047 General Electrician 7 (units 3.0 - 3.0)
ELCT048 General Electrician 8 (units 3.0 - 3.0)
ELCT051 Quality Safety Program and First Aid (units 1.5 - 1.5)
ELCT050 General Electrician 10 (units 3.0 - 3.0)
ELCT049 General Electrician 9 (units 3.0 - 3.0)
Control Number: 18790

ELECTRONICS TECHNOLOGY

Water System Automation, CA
Certificate of Achievement
Unit Range for Completion: 12 – 12
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 (units 12.0 - 12.0)
The following number of units
ETEC110 DC Circuits (units 3.0 - 3.0)
ETEC120 AC Circuits (units 3.0 - 3.0)
ETEC130 Programmable Logic Controllers (units 3.0 - 3.0)
WATR143 Electrical Wiring and Controls for Operators (units 3.0 - 3.0)
Control Number: 42497

ENGLISH

English, AA
A.A. Degree Major
Unit Range for Completion: 30 – 30
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 (units 30.0 - 30.0)
All of the following
Major requirements: (units 12.0 - 12.0)
The following number of units
Rule Group (units 4.0 - 8.0)
At least one of the following
ENGLC1000 Academic Reading and Writing (units 4.0 - 4.0)
ENGLC1000H Academic Reading and Writing - Honors (units 4.0 - 4.0)
Rule Group (units 4.0 - 8.0)
At least one of the following
ENGL102 Literature and Composition (units 4.0 - 4.0)
ENGL102H Honors Literature and Composition (units 4.0 - 4.0)
Rule Group (units 4.0 - 8.0)
At least one of the following
ENGLC1001 Critical Thinking and Writing (units 4.0 - 4.0)
ENGLC1001H Critical Thinking and Writing - Honors (units 4.0 - 4.0)
Select one (1) sequence from the following: (units 6.0 - 6.0)
The following number of units
Rule Group (units 6.0 - 6.0)
All of the following
ENGL231 Survey of English Literature I (units 3.0 - 3.0)
ENGL232 Survey of English Literature II (units 3.0 - 3.0)
Rule Group (units 6.0 - 6.0)
All of the following
ENGL241 Survey of American Literature, 1600-1865 (units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (units 3.0 - 3.0)
Rule Group (units 6.0 - 6.0)
All of the following
ENGL271 Survey of World Literature I (units 3.0 - 3.0)
ENGL272 Survey of World Literature II (units 3.0 - 3.0)
Select four (4) courses from the following: (units 12.0 - 12.0)
The following number of units
ENGL213 Creative Writing (units 3.0 - 3.0)
ENGL220 Survey of the Bible As Literature (units 3.0 - 3.0)
ENGL231 Survey of English Literature I (units 3.0 - 3.0)
ENGL232 Survey of English Literature II (units 3.0 - 3.0)
ENGL233A Shakespeare's Comedies and Romances (units 3.0 - 3.0)
ENGL233B Shakespeare's Tragedies and History Plays (units 3.0 - 3.0)

ENGL241 Survey of American Literature, 1600-1865 (units 3.0 - 3.0)
ENGL242 Survey of American Literature, 1865-Present (units 3.0 - 3.0)
ENGL246 Survey of Chicano Literature (units 3.0 - 3.0)
ENGL270 Children's Literature (units 3.0 - 3.0)
ENGL271 Survey of World Literature I (units 3.0 - 3.0)
ENGL272 Survey of World Literature II (units 3.0 - 3.0)
ENGL278 Survey of Literature by Women (units 3.0 - 3.0)
Control Number: 11928

English, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 20 – 20
The Associatein Arts in English for Transfer degreeenables 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 (units 20.0 - 20.0)
All of the following
  Major requirements: (units 8.0 - 8.0)
  The following number of units
    Rule Group (units 4.0 - 8.0)
    At least one of the following
      ENGL102 Literature and Composition (units 4.0 - 4.0)
      ENGL102H Honors Literature and Composition (units 4.0 - 4.0)
    Rule Group (units 4.0 - 8.0)
    At least one of the following
      ENGLC1001 Critical Thinking and Writing (units 4.0 - 4.0)
      ENGLC1001H Critical Thinking and Writing - Honors (units 4.0 - 4.0)
  Select two (2) courses from the following (List A): (units 6.0 - 6.0)
  The following number of units
    ENGL231 Survey of English Literature I (units 3.0 - 3.0)
    ENGL232 Survey of English Literature II (units 3.0 - 3.0)
    ENGL241 Survey of American Literature, 1600-1865 (units 3.0 - 3.0)
    ENGL242 Survey of American Literature, 1865-Present (units 3.0 - 3.0)
    ENGL271 Survey of World Literature I (units 3.0 - 3.0)
    ENGL272 Survey of World Literature II (units 3.0 - 3.0)
  Select one (1) course from the following (List B): (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) (units 3.0 - 3.0)
    The following number of units
    ENGL213 Creative Writing (units 3.0 - 3.0)
  Select one (1) course from the following (List C): (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) (units 3.0 - 3.0)
    The following number of units
    ENGL220 Survey of the Bible As Literature (units 3.0 - 3.0)
    ENGL233A Shakespeare's Comedies and Romances (units 3.0 - 3.0)
    ENGL233B Shakespeare's Tragedies and History Plays (units 3.0 - 3.0)
    ENGL246 Survey of Chicano Literature (units 3.0 - 3.0)
    ENGL270 Children's Literature (units 3.0 - 3.0)
    ENGL278 Survey of Literature by Women (units 3.0 - 3.0)
Control Number: 31366

ETHNIC STUDIES

Ethnic Studies, AA
A.A. Degree Major

Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
All of the following
  Major Requirements: (units 15.0 - 15.0)
  The following number of units
    Select ETHN101 or SOC101 (units 0.0 - 0.0)
    ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    ETHN110 Introduction to Asian Pacific American Studies (units 3.0 - 3.0)
    ETHN120 Introduction to African American Studies (units 3.0 - 3.0)
    CHST101 Introduction to Chicano Studies (units 3.0 - 3.0)
    ETHN140 Introduction to Native American Studies (units 3.0 - 3.0)
  Select one (1) from the following: (units 3.0 - 3.0)
  The following number of units
    ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
    ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
    COMM120 Introduction to Intercultural Communication (units 3.0 - 3.0)
    COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
    ENGL246 Survey of Chicano Literature   (units 3.0 - 3.0)
    ENGL280 Literature of the African Diaspora (units 3.0 - 3.0)
    HIST118 Social and Cultural History of the United States (units 3.0 - 3.0)
    HIST124 Mexican American History in the United States (units 3.0 - 3.0)
    HIST132 Modern African History (units 3.0 - 3.0)
    HIST142 History of the Modern Middle East (units 3.0 - 3.0)
    HIST152 Latin American History (units 3.0 - 3.0)
    HIST162 Asian Civilizations (units 3.0 - 3.0)
Control Number: 39808

GEMOLOGY

Gemology, AS
A.S. Degree Major
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
The following number of units
  GEM011 Introductory Colored Stones (units 4.0 - 4.0)
  GEM012 Advanced Colored Stones (units 4.0 - 4.0)
  GEM020 Diamonds (units 4.0 - 4.0)
  GEM030 Antique and Period Jewelry (units 3.0 - 3.0)
  GEM050 Pearls (units 3.0 - 3.0)
Control Number: 11874

Gemology, CA
Certificate of Achievement
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
The following number of units
   GEM011 Introductory Colored Stones (units 4.0 - 4.0)
   GEM012 Advanced Colored Stones (units 4.0 - 4.0)
   GEM020 Diamonds (units 4.0 - 4.0)
   GEM030 Antique and Period Jewelry (units 3.0 - 3.0)
   GEM050 Pearls (units 3.0 - 3.0)
 Control Number: 21644

GENDER, SEXUALITY, AND WOMEN'S STUDIES

Gender, Sexuality, and Women's Studies, AA
A.A. Degree Major
Unit Range for Completion: 18 – 19
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 (units 18.0 - 19.0)
All of the following
   Major requirements: (units 15.0 - 15.0)
   All of the following
      GSWS101 Introduction to Women's Studies (units 3.0 - 3.0)
      GSWS102 Money, Sex, and Power (units 3.0 - 3.0)
      GSWS103 Men and Masculinities (units 3.0 - 3.0)
      HIST127 Women in U.S. History (units 3.0 - 3.0)
      SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
   Select three (3) to four (4) units from the following: (units 3.0 - 4.0)
   The following number of units
      CNSL116 Career/Life Planning and Personal Exploration (units 3.0 - 3.0)
      COMM225 Gender Communication (units 3.0 - 3.0)
      COMM225H Honors Gender Communication (units 3.0 - 3.0)
      ENGL278 Survey of Literature by Women (units 3.0 - 3.0)
      HIST129 LGBTQ+ History in the U.S. (units 3.0 - 3.0)
      IDS155 Human Sexuality (units 3.0 - 3.0)
      INFO103 Researching in the Digital Age (units 1.0 - 1.0)
      KIN110 Women's Health Issues (units 3.0 - 3.0)
      PHIL108 Ethics (units 3.0 - 3.0)
      POLT221 Women in American Politics (units 3.0 - 3.0)
      PSYC180 Psychology of Gender (units 3.0 - 3.0)
      SOC130 Relationships, Marriages, and Family Dynamics (units 3.0 - 3.0)
      SOC286 Introduction to LGBTQ Studies (units 3.0 - 3.0)
 Control Number: 11938

GEOGRAPHY AND THE ENVIRONMENT

Geography AA-T
A.A. Degree for Transfer
Unit Range for Completion: 17 – 19
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 entryinto 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 (units 17.0 - 19.0)
All of the following
   Major requirements: (units 7.0 - 7.0)
   The following number of units
      Physical (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. (units 0.0 - 0.0)
         GEOG101 Introduction to the Natural Environment (units 3.0 - 3.0)
         GEOG101H Honors Introduction to the Natural Environment (units 3.0 - 3.0)
         GEOG101L Introduction to the Natural Environment Laboratory (units 1.0 - 1.0)
      Cultural (units 3.0 - 3.0)
      The following number of units
         GEOG100 World Regional Geography (units 3.0 - 3.0)
         GEOG100H Honors World Regional Geography (units 3.0 - 3.0)
         GEOG102 Cultural Geography (units 3.0 - 3.0)
         GEOG102H Honors Cultural Geography (units 3.0 - 3.0)
   Select two (2) courses from the following (List A): (units 4.0 - 6.0)
   The following number of units
      Any CORE course not already used (units 0.0 - 0.0)
      GEOG155/SURV155 are considered the same course. Please select one(1) course. Credit will only be awarded for one. (units 0.0 - 0.0)
      GEOG130 Introduction to Weather and Climate (units 3.0 - 3.0)
      GEOG130H Honors Introduction to Weather and Climate (units 3.0 - 3.0)
      GEOG140 California Geography (units 3.0 - 3.0)
      GEOG150 Exploring Maps and Geographic Technologies (units 3.0 - 3.0)
      GEOG155 Introduction to Geographic Information Systems (units 3.0 - 3.0)
      GEOG160 Regional Field Studies (units 1.0 - 1.0)
      SURV155 Introduction to Geographic Information Systems (units 3.0 - 3.0)
   Select two (2) courses from the following (List B): (units 6.0 - 6.0)
   The following number of units
      Any List A course not already used (units 0.0 - 0.0)
      ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
      ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
      BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
      BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
      ERTH100 Physical Geology (units 3.0 - 3.0)

ERTH160 Oceanography (units 3.0 - 3.0)
POLT220 International Politics (units 3.0 - 3.0)
SOC150 Introduction to Race and Ethnicity (units 3.0 - 3.0)
Control Number: 32364

GEOLOGY

Geology, AS-T
A.S. Degree for Transfer
Unit Range for Completion: 26 – 26
The Associate in Science in Geology forTransfer 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 (units 26.0 - 26.0)
The following number of units
   Rule Group (units 5.0 - 10.0)
   At least one of the following
      CHEM200A General Chemistry A (units 5.0 - 5.0)
      CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
   Rule Group (units 17.0 - 17.0)
   All of the following
      CHEM200B General Chemistry B (units 5.0 - 5.0)
      MATH185 Single Variable Calculus II (units 4.0 - 4.0)
      ERTH100 Physical Geology (units 3.0 - 3.0)
      ERTH100L Physical Geology Laboratory (units 1.0 - 1.0)
      ERTH111 Historical Geology (units 4.0 - 4.0)
   Rule Group (units 4.0 - 8.0)
   At least one of the following
      MATH180 Single Variable Calculus I (units 4.0 - 4.0)
      MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)
Control Number: 32044

HISTORY

Global Studies, CA
Certificate of Achievement
Unit Range for Completion: 12 – 12
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 (units 12.0 - 12.0)
All of the following
   Certificate Requirements: (units 3.0 - 3.0)
   The following number of units
      HIST102 World Civilizations Since the 16th Century (units 3.0 - 3.0)
      HIST102H Honors World Civilizations Since the 16th Century (units 3.0 - 3.0)
   Select two (2) courses from the following: (units 6.0 - 6.0)
   The following number of units
      HIST132 Modern African History (units 3.0 - 3.0)
      HIST142 History of the Modern Middle East (units 3.0 - 3.0)
      HIST152 Latin American History (units 3.0 - 3.0)
      HIST162 Asian Civilizations (units 3.0 - 3.0)
   Select one (1) course from the following: (units 3.0 - 3.0)
   The following number of units
      GEOG100 World Regional Geography (units 3.0 - 3.0)
      GEOG100H Honors World Regional Geography (units 3.0 - 3.0)
      POLT220 International Politics (units 3.0 - 3.0)
Control Number: 39807

History, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 18 – 18
The Associate in Arts in History for Transfer degreeprovides a basic program to aid a student in thinking critically about one's self, one's cultural heritage, social and economic processes, and national and international affairs. Successful completion of the transfer degree in History guarantees the student acceptance to the California State University system to pursue a baccalaureate degree in History or a related field to pursue careers in a variety of government agencies, nongovernmental organizations (NGO), nonprofit organizations (NPO), international government organization (IGO), libraries or museums, and research programs.
Program Rules: History, AA-T (units 18.0 - 18.0)
All of the following
   Major requirements: (units 12.0 - 12.0)
   The following number of units
      Rule Group (units 3.0 - 6.0)
      At least one of the following
         HIST101 World Civilizations to the 16th Century (units 3.0 - 3.0)
         HIST101H Honors World Civilizations to the 16th Century (units 3.0 - 3.0)
      Rule Group (units 3.0 - 6.0)
      At least one of the following
         HIST102 World Civilizations Since the 16th Century (units 3.0 - 3.0)
         HIST102H Honors World Civilizations Since the 16th Century (units 3.0 - 3.0)
      Rule Group (units 3.0 - 6.0)
      At least one of the following
         HIST120 The United States to 1877 (units 3.0 - 3.0)
         HIST120H Honors: The United States to 1877 (units 3.0 - 3.0)
      Rule Group (units 3.0 - 6.0)
      At least one of the following
         HIST121 The United States Since 1877 (units 3.0 - 3.0)
         HIST121H Honors the United States Since 1877 (units 3.0 - 3.0)
   Select one (1) course fromArea 1: (units 3.0 - 3.0)
   The following number of units
      HIST118 Social and Cultural History of the United States (units 3.0 - 3.0)
      HIST124 Mexican-American History in the United States (units 3.0 - 3.0)

HIST127 Women in U.S. History (units 3.0 - 3.0)
HIST152 Latin American History (units 3.0 - 3.0)
HIST162 Asian Civilizations (units 3.0 - 3.0)
Select one (1) course from Area 2: (units 3.0 - 3.0)
The following number of units
ECON102 Principles/Macro (units 3.0 - 3.0)
Rule Group (units 3.0 - 6.0)
At least one of the following
GEOG100 World Regional Geography (units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (units 3.0 - 3.0)
Rule Group (units 12.0 - 12.0)
All of the following
HIST126 United States since 1945 (units 3.0 - 3.0)
HIST133 History of California (units 3.0 - 3.0)
HIST240 Introduction to Peace and Conflict Studies (units 3.0 - 3.0)
PHIL118 History of Philosophy (units 3.0 - 3.0)
Rule Group (units 3.0 - 6.0)
At least one of the following
POLSC1000 American Government and Politics (units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (units 3.0 - 3.0)
Rule Group (units 15.0 - 15.0)
All of the following
POLT200 American Political Thought (units 3.0 - 3.0)
POLT201 Introduction to Comparative Politics (units 3.0 - 3.0)
POLT220 International Politics (units 3.0 - 3.0)
POLT221 Women in American Politics (units 3.0 - 3.0)
POLT230 Political Theory (units 3.0 - 3.0)
 Control Number: 31720

KINESIOLOGY

Kinesiology - Fitness and Active Lifestyle, AS

A.S. Degree Major
Unit Range for Completion: 20 – 24
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 (units 20.0 - 24.0)
All of the following
Major Requirements: (units 9.0 - 9.0)
The following number of units
KIN100 Introduction to Kinesiology (units 3.0 - 3.0)
NUTR115 Nutrition (units 3.0 - 3.0)
Select one (1) of the following PSYC courses: (units 0.0 - 0.0)
PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (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. (units 0.0 - 0.0)
AQUATICS - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
KIN185A Basic Swimming (units 1.0 - 1.0)
KIN185B Intermediate Swimming (units 1.0 - 1.0)

KIN185C Advanced Swimming (units 1.0 - 1.0)
COMBATIVES - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
KIN125A Basic Cardio Kickboxing (units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (units 1.0 - 1.0)
KIN128A Basic Tai Chi (units 1.0 - 1.0)
DANCE - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
DNCE106A Introduction to Modern Dance I (units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (units 1.0 - 1.0)
DNCE108A Introduction to Ballet (units 1.0 - 1.0)
DNCE108B Introduction to Ballet (units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (units 1.0 - 1.0)
FITNESS - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
KIN119 Personal Fitness Evaluation (units 1.0 - 1.0)
KIN126A Basic Spin (units 1.0 - 1.0)
KIN126B Intermediate Spin (units 1.0 - 1.0)
KIN127A Basic Yoga (units 1.0 - 1.0)
KIN127B Intermediate Yoga (units 1.0 - 1.0)
KIN127C Advanced Yoga (units 1.0 - 1.0)
KIN128A Basic Tai Chi (units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (units 1.0 - 1.0)
KIN146B Intermediate Strength Training (units 1.0 - 1.0)
KIN146C Advanced Strength Training (units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (units 1.0 - 1.0)
KIN203 Speed and Agility-Men (units 1.0 - 1.0)
KIN204 Speed and Agility-Women (units 1.0 - 1.0)
TEAM SPORTS - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
KIN160A Basic Basketball (units 1.0 - 1.0)
KIN160B Intermediate Basketball (units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (units 1.0 - 1.0)
KIN168A Basic Volleyball (units 1.0 - 1.0)
KIN168B Intermediate Volleyball (units 1.0 - 1.0)
Select a minimum of six (6) units from the following: (units 6.0 - 10.0)
The following number of units
BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOL139 Health Microbiology (units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (units 4.0 - 4.0)
BIOL229 General Microbiology (units 5.0 - 5.0)
BIOL239 General Human Anatomy (units 4.0 - 4.0)
BIOL249 Human Physiology (units 4.0 - 4.0)
BIOL259 Environmental Biology (units 4.0 - 4.0)
KIN101 First Aid and CPR (units 3.0 - 3.0)
KIN102 Nutrition and Fitness (units 2.0 - 2.0)
KIN104 Healthful Living (units 3.0 - 3.0)
KIN109 Sport in US Society (units 3.0 - 3.0)
KIN110 Women's Health Issues (units 3.0 - 3.0)
KIN111 Sports Psychology (units 3.0 - 3.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
STATC1000E Introduction to Statistics (units 4.0 - 4.0)

Control Number: 39916

Kinesiology - Fitness and Active Lifestyle, CA

Certificate of Achievement
Unit Range for Completion: 20 – 24
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 (units 20.0 - 24.0)
All of the following
Certificate Requirements: (units 9.0 - 9.0)
The following number of units
KIN100 Introduction to Kinesiology (units 3.0 - 3.0)
NUTR115 Nutrition (units 3.0 - 3.0)
Select one (1) PSYC course from the following: (units 0.0 - 0.0)
PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (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. (units 0.0 - 0.0)
AQUATICS - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
KIN185A Basic Swimming (units 1.0 - 1.0)
KIN185B Intermediate Swimming (units 1.0 - 1.0)
KIN185C Advanced Swimming (units 1.0 - 1.0)
COMBATIVES - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
KIN125A Basic Cardio Kickboxing (units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (units 1.0 - 1.0)
KIN128A Basic Tai Chi (units 1.0 - 1.0)
DANCE - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
DNCE106A Introduction to Modern Dance I (units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (units 1.0 - 1.0)
DNCE108A Introduction to Ballet (units 1.0 - 1.0)
DNCE108B Introduction to Ballet (units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (units 1.0 - 1.0)
FITNESS - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
KIN119 Personal Fitness Evaluation (units 1.0 - 1.0)
KIN126A Basic Spin (units 1.0 - 1.0)
KIN126B Intermediate Spin (units 1.0 - 1.0)
KIN127A Basic Yoga (units 1.0 - 1.0)
KIN127B Intermediate Yoga (units 1.0 - 1.0)
KIN127C Advanced Yoga (units 1.0 - 1.0)
KIN128A Basic Tai Chi (units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (units 1.0 - 1.0)
KIN146B Intermediate Strength Training (units 1.0 - 1.0)
KIN146C Advanced Strength Training (units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (units 1.0 - 1.0)
KIN203 Speed and Agility-Men (units 1.0 - 1.0)
KIN204 Speed and Agility-Women (units 1.0 - 1.0)
TEAM SPORTS - Select one (1) unit from the following: (units 1.0 - 1.0)
The following number of units
KIN160A Basic Basketball (units 1.0 - 1.0)
KIN160B Intermediate Basketball (units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (units 1.0 - 1.0)
KIN168A Basic Volleyball (units 1.0 - 1.0)
KIN168B Intermediate Volleyball (units 1.0 - 1.0)
ELECTIVES: Select a minimum of six (6) units from the following: (units 6.0 - 10.0)
The following number of units
BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
BIOL109HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOL109L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOL149 Human Anatomy and Physiology (units 4.0 - 4.0)
BIOL229 General Microbiology (units 5.0 - 5.0)
BIOL239 General Human Anatomy (units 4.0 - 4.0)
BIOL249 Human Physiology (units 4.0 - 4.0)
BIOL259 Environmental Biology (units 4.0 - 4.0)
KIN101 First Aid and CPR (units 3.0 - 3.0)
KIN102 Nutrition and Fitness (units 2.0 - 2.0)
KIN104 Healthful Living (units 3.0 - 3.0)
KIN109 Sport in US Society (units 3.0 - 3.0)
KIN110 Women's Health Issues (units 3.0 - 3.0)
KIN111 Sports Psychology (units 3.0 - 3.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
STATC1000E Introduction to Statistics (units 4.0 - 4.0)

Control Number: 39917

Kinesiology - Health Promotion, AS

A.S. Degree Major
Unit Range for Completion: 22 – 26
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 (units 22.0 - 26.0)
All of the following
Major Requirements: (units 12.0 - 12.0)
The following number of units
KIN100 Introduction to Kinesiology (units 3.0 - 3.0)
KIN101 First Aid and CPR (units 3.0 - 3.0)
KIN104 Healthful Living (units 3.0 - 3.0)
Select one (1) PSYC course from the following: (units 0.0 - 0.0)
PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (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. (units 4.0 - 4.0)
AQUATICS (units 0.0 - 0.0)

The following number of units
- KIN185A Basic Swimming (units 1.0 - 1.0)
- KIN185B Intermediate Swimming (units 1.0 - 1.0)
- KIN185C Advanced Swimming (units 1.0 - 1.0)

COMBATIVES (units 0.0 - 0.0)
The following number of units
- KIN125A Basic Cardio Kickboxing (units 1.0 - 1.0)
- KIN125B Intermediate Cardio Kickboxing (units 1.0 - 1.0)
- KIN128A Basic Tai Chi (units 1.0 - 1.0)

DANCE (units 0.0 - 0.0)
The following number of units
- DNCE106A Introduction to Modern Dance I (units 1.0 - 1.0)
- DNCE106B Introduction to Modern Dance II (units 1.0 - 1.0)
- DNCE108A Introduction to Ballet (units 1.0 - 1.0)
- DNCE108B Introduction to Ballet (units 1.0 - 1.0)
- DNCE115A Introduction to Tap Dance (units 1.0 - 1.0)
- DNCE115B Introduction to Tap Dance (units 1.0 - 1.0)
- DNCE119A Introduction to Jazz Dance (units 1.0 - 1.0)
- DNCE119B Introduction to Jazz Dance (units 1.0 - 1.0)

FITNESS (units 0.0 - 0.0)
The following number of units
- KIN119 Personal Fitness Evaluation (units 1.0 - 1.0)
- KIN126A Basic Spin (units 1.0 - 1.0)
- KIN126B Intermediate Spin (units 1.0 - 1.0)
- KIN127A Basic Yoga (units 1.0 - 1.0)
- KIN127B Intermediate Yoga (units 1.0 - 1.0)
- KIN127C Advanced Yoga (units 1.0 - 1.0)
- KIN128A Basic Tai Chi (units 1.0 - 1.0)
- KIN140A Basic Circuit Weight Training (units 1.0 - 1.0)
- KIN140B Intermediate Circuit Weight Training (units 1.0 - 1.0)
- KIN140C Advanced Circuit Weight Training (units 1.0 - 1.0)
- KIN146B Intermediate Strength Training (units 1.0 - 1.0)
- KIN146C Advanced Strength Training (units 1.0 - 1.0)
- KIN200 Conditioning for Athletes-Men (units 1.0 - 1.0)
- KIN201 Conditioning for Athletes-Co-Ed (units 1.0 - 1.0)
- KIN202 Conditioning for Athletes-Women (units 1.0 - 1.0)
- KIN203 Speed and Agility-Men (units 1.0 - 1.0)
- KIN204 Speed and Agility-Women (units 1.0 - 1.0)

TEAM SPORTS (units 0.0 - 0.0)
The following number of units
- KIN160A Basic Basketball (units 1.0 - 1.0)
- KIN160B Intermediate Basketball (units 1.0 - 1.0)
- KIN163A Basic Indoor Soccer (units 1.0 - 1.0)
- KIN168A Basic Volleyball (units 1.0 - 1.0)
- KIN168B Intermediate Volleyball (units 1.0 - 1.0)

ELECTIVES - Select a minimum of six (6) units from the following:
(units 6.0 - 10.0)
The following number of units
- ACCT101 Financial Accounting (units 4.0 - 4.0)
- BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
- BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
- BIOL109HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
- BIOL109L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
- BIOL139 Health Microbiology (units 4.0 - 4.0)
- BIOL149 Human Anatomy and Physiology (units 4.0 - 4.0)
- BIOL229 General Microbiology (units 5.0 - 5.0)
- BIOL239 General Human Anatomy (units 4.0 - 4.0)
- BIOL249 Human Physiology (units 4.0 - 4.0)
- BIOL259 Environmental Biology (units 4.0 - 4.0)
- ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
- KIN102 Nutrition and Fitness (units 2.0 - 2.0)
- KIN109 Sport in US Society (units 3.0 - 3.0)
- KIN110 Women's Health Issues (units 3.0 - 3.0)

- KIN111 Sports Psychology (units 3.0 - 3.0)
- STATC1000 Introduction to Statistics (units 4.0 - 4.0)
- STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
- STATC1000E Introduction to Statistics (units 4.0 - 4.0)
- NUTRI115 Nutrition (units 3.0 - 3.0)
- PSYC200 Introduction to Biological Psychology (units 3.0 - 3.0)

Control Number: 39918

Kinesiology - Health Promotion, CA
Certificate of Achievement
Unit Range for Completion: 22 – 26
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 (units 22.0 - 26.0)
All of the following
Certificate Requirements: (units 12.0 - 12.0)
The following number of units
- KIN100 Introduction to Kinesiology (units 3.0 - 3.0)
- KIN101 First Aid and CPR (units 3.0 - 3.0)
- KIN104 Healthful Living (units 3.0 - 3.0)
- Select one (1) PSYC course from the following: (units 0.0 - 0.0)
- PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
- PSYCC1000H Introduction to Psychology - Honors (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. (units 4.0 - 4.0)

AQUATICS (units 0.0 - 0.0)
The following number of units
- KIN185A Basic Swimming (units 1.0 - 1.0)
- KIN185B Intermediate Swimming (units 1.0 - 1.0)
- KIN185C Advanced Swimming (units 1.0 - 1.0)

COMBATIVES (units 0.0 - 0.0)
The following number of units
- KIN125A Basic Cardio Kickboxing (units 1.0 - 1.0)
- KIN125B Intermediate Cardio Kickboxing (units 1.0 - 1.0)
- KIN185A Basic Swimming (units 1.0 - 1.0)

DANCE (units 0.0 - 0.0)
The following number of units
- DNCE106A Introduction to Modern Dance I (units 1.0 - 1.0)
- DNCE106B Introduction to Modern Dance II (units 1.0 - 1.0)
- DNCE108A Introduction to Ballet (units 1.0 - 1.0)
- DNCE108B Introduction to Ballet (units 1.0 - 1.0)
- DNCE115A Introduction to Tap Dance (units 1.0 - 1.0)
- DNCE115B Introduction to Tap Dance (units 1.0 - 1.0)
- DNCE119A Introduction to Jazz Dance (units 1.0 - 1.0)
- DNCE119B Introduction to Jazz Dance (units 1.0 - 1.0)

FITNESS (units 0.0 - 0.0)
The following number of units
- KIN119 Personal Fitness Evaluation (units 1.0 - 1.0)
- KIN126A Basic Spin (units 1.0 - 1.0)
- KIN126B Intermediate Spin (units 1.0 - 1.0)
- KIN127A Basic Yoga (units 1.0 - 1.0)
- KIN127B Intermediate Yoga (units 1.0 - 1.0)
- KIN127C Advanced Yoga (units 1.0 - 1.0)
- KIN128A Basic Tai Chi (units 1.0 - 1.0)

KIN140A Basic Circuit Weight Training (units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (units 1.0 - 1.0)
KIN146B Intermediate Strength Training (units 1.0 - 1.0)
KIN146C Advanced Strength Training (units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (units 1.0 - 1.0)
KIN203 Speed and Agility-Men (units 1.0 - 1.0)
KIN204 Speed and Agility-Women (units 1.0 - 1.0)
TEAM SPORTS (units 0.0 - 0.0)
The following number of units
KIN160A Basic Basketball (units 1.0 - 1.0)
KIN160B Intermediate Basketball (units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (units 1.0 - 1.0)
KIN168A Basic Volleyball (units 1.0 - 1.0)
KIN168B Intermediate Volleyball (units 1.0 - 1.0)
ELECTIVES - Select a minimum of six (6) units from the following:
(units 6.0 - 10.0)
The following number of units
ACCT101 Financial Accounting (units 4.0 - 4.0)
BIOLI09 Fundamentals of Biology (units 3.0 - 3.0)
BIOLI09H Honors Fundamentals of Biology (units 3.0 - 3.0)
BIOLI09HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOLI09L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOLI39 Health Microbiology (units 4.0 - 4.0)
BIOLI49 Human Anatomy and Physiology (units 4.0 - 4.0)
BIOL229 General Microbiology (units 5.0 - 5.0)
BIOL239 General Human Anatomy (units 4.0 - 4.0)
BIOL249 Human Physiology (units 4.0 - 4.0)
BIOL259 Environmental Biology (units 4.0 - 4.0)
ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
KIN102 Nutrition and Fitness (units 2.0 - 2.0)
KIN109 Sport in US Society (units 3.0 - 3.0)
KIN110 Women's Health Issues (units 3.0 - 3.0)
KIN111 Sports Psychology (units 3.0 - 3.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
STATC1000E Introduction to Statistics (units 4.0 - 4.0)
NUTR115 Nutrition (units 3.0 - 3.0)
PSYC200 Introduction to Biological Psychology (units 3.0 - 3.0)
Control Number: 39919

Kinesiology - Sport Studies, AS

A.S. Degree Major
Unit Range for Completion: 20 – 24
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 (units 20.0 - 24.0)
All of the following
Major Requirements (units 14.0 - 14.0)
The following number of units
KIN100 Introduction to Kinesiology (units 3.0 - 3.0)
KIN109 Sport in US Society (units 3.0 - 3.0)
Select BIOL109 or BIOL109H (units 0.0 - 0.0)

BIOLI09 Fundamentals of Biology (units 3.0 - 3.0)
BIOLI09H Honors Fundamentals of Biology (units 3.0 - 3.0)
Select BIOLI09L or BIOLI09HL (units 0.0 - 0.0)
BIOLI09L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
BIOLI09HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
Select one from MATH219, MATH219H, or MATH219S. (units 0.0 - 0.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
STATC1000E Introduction to Statistics (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. (units 3.0 - 3.0)
AQUATICS (units 0.0 - 0.0)
The following number of units
KIN185A Basic Swimming (units 1.0 - 1.0)
KIN185B Intermediate Swimming (units 1.0 - 1.0)
KIN185C Advanced Swimming (units 1.0 - 1.0)
COMBATIVES (units 0.0 - 0.0)
The following number of units
KIN125A Basic Cardio Kickboxing (units 1.0 - 1.0)
KIN125B Intermediate Cardio Kickboxing (units 1.0 - 1.0)
KIN128A Basic Tai Chi (units 1.0 - 1.0)
DANCE (units 0.0 - 0.0)
The following number of units
DNCE106A Introduction to Modern Dance I (units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (units 1.0 - 1.0)
DNCE108A Introduction to Ballet (units 1.0 - 1.0)
DNCE108B Introduction to Ballet (units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (units 1.0 - 1.0)
FITNESS (units 0.0 - 0.0)
The following number of units
KIN119 Personal Fitness Evaluation (units 1.0 - 1.0)
KIN126A Basic Spin (units 1.0 - 1.0)
KIN126B Intermediate Spin (units 1.0 - 1.0)
KIN127A Basic Yoga (units 1.0 - 1.0)
KIN127B Intermediate Yoga (units 1.0 - 1.0)
KIN127C Advanced Yoga (units 1.0 - 1.0)
KIN128A Basic Tai Chi (units 1.0 - 1.0)
KIN140A Basic Circuit Weight Training (units 1.0 - 1.0)
KIN140B Intermediate Circuit Weight Training (units 1.0 - 1.0)
KIN140C Advanced Circuit Weight Training (units 1.0 - 1.0)
KIN146B Intermediate Strength Training (units 1.0 - 1.0)
KIN146C Advanced Strength Training (units 1.0 - 1.0)
KIN200 Conditioning for Athletes-Men (units 1.0 - 1.0)
KIN201 Conditioning for Athletes-Co-Ed (units 1.0 - 1.0)
KIN202 Conditioning for Athletes-Women (units 1.0 - 1.0)
KIN203 Speed and Agility-Men (units 1.0 - 1.0)
KIN204 Speed and Agility-Women (units 1.0 - 1.0)
TEAM SPORTS (units 0.0 - 0.0)
The following number of units
KIN160A Basic Basketball (units 1.0 - 1.0)
KIN160B Intermediate Basketball (units 1.0 - 1.0)
KIN163A Basic Indoor Soccer (units 1.0 - 1.0)
KIN168A Basic Volleyball (units 1.0 - 1.0)
KIN168B Intermediate Volleyball (units 1.0 - 1.0)
ELECTIVES - Select a minimum of three (3) units from the following:
(units 3.0 - 7.0)
The following number of units
ACCT101 Financial Accounting (units 4.0 - 4.0)
BIOLI09 Fundamentals of Biology (units 3.0 - 3.0)
BIOLI09H Honors Fundamentals of Biology (units 3.0 - 3.0)

BIOL139 Health Microbiology (units 4.0 - 4.0)
BIOL149 Human Anatomy and Physiology (units 4.0 - 4.0)
BIOL229 General Microbiology (units 5.0 - 5.0)
BIOL239 General Human Anatomy (units 4.0 - 4.0)
BIOL249 Human Physiology (units 4.0 - 4.0)
BIOL259 Environmental Biology (units 4.0 - 4.0)
KIN101 First Aid and CPR (units 3.0 - 3.0)
KIN102 Nutrition and Fitness (units 2.0 - 2.0)
KIN104 Healthful Living (units 3.0 - 3.0)
KIN110 Women's Health Issues (units 3.0 - 3.0)
KIN111 Sports Psychology (units 3.0 - 3.0)
NUTR115 Nutrition (units 3.0 - 3.0)
PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
 Control Number: 39920

Kinesiology - Sport Studies, CA
Certificate of Achievement
Unit Range for Completion: 20 – 24
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 (units 20.0 - 24.0)
All of the following
    Certificate Requirements: (units 14.0 - 14.0)
    The following number of units
        KIN100 Introduction to Kinesiology (units 3.0 - 3.0)
        KIN109 Sport in US Society (units 3.0 - 3.0)
        Select BIOL109 or BIOL109H (units 0.0 - 0.0)
        BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
        BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
        Select BIOL109L or BIOL109HL (units 0.0 - 0.0)
        BIOL109HL Honors Fundamentals of Biology Laboratory (units 1.0 - 1.0)
        BIOL109L Fundamentals of Biology Laboratory (units 1.0 - 1.0)
        Select one from MATH219 or MATH219H or MATH219S (units 0.0 - 0.0)
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        STATC1000E Introduction to Statistics (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 (units 0.0 - 0.0)
    AQUATICS (units 3.0 - 3.0)
    The following number of units
        KIN185A Basic Swimming (units 1.0 - 1.0)
        KIN185B Intermediate Swimming (units 1.0 - 1.0)
        KIN185C Advanced Swimming (units 1.0 - 1.0)
    COMBATIVES (units 0.0 - 0.0)
    The following number of units
        KIN125A Basic Cardio Kickboxing (units 1.0 - 1.0)
        KIN125B Intermediate Cardio Kickboxing (units 1.0 - 1.0)
        KIN128A Basic Tai Chi (units 1.0 - 1.0)
    DANCE (units 0.0 - 0.0)
    The following number of units

DNCE106A Introduction to Modern Dance I (units 1.0 - 1.0)
DNCE106B Introduction to Modern Dance II (units 1.0 - 1.0)
DNCE108A Introduction to Ballet (units 1.0 - 1.0)
DNCE108B Introduction to Ballet (units 1.0 - 1.0)
DNCE115A Introduction to Tap Dance (units 1.0 - 1.0)
DNCE115B Introduction to Tap Dance (units 1.0 - 1.0)
DNCE119A Introduction to Jazz Dance (units 1.0 - 1.0)
DNCE119B Introduction to Jazz Dance (units 1.0 - 1.0)
    FITNESS (units 0.0 - 0.0)
    The following number of units
        KIN119 Personal Fitness Evaluation (units 1.0 - 1.0)
        KIN126A Basic Spin (units 1.0 - 1.0)
        KIN126B Intermediate Spin (units 1.0 - 1.0)
        KIN127A Basic Yoga (units 1.0 - 1.0)
        KIN127B Intermediate Yoga (units 1.0 - 1.0)
        KIN127C Advanced Yoga (units 1.0 - 1.0)
        KIN128A Basic Tai Chi (units 1.0 - 1.0)
        KIN140A Basic Circuit Weight Training (units 1.0 - 1.0)
        KIN140B Intermediate Circuit Weight Training (units 1.0 - 1.0)
        KIN140C Advanced Circuit Weight Training (units 1.0 - 1.0)
        KIN146B Intermediate Strength Training (units 1.0 - 1.0)
        KIN146C Advanced Strength Training (units 1.0 - 1.0)
        KIN200 Conditioning for Athletes-Men (units 1.0 - 1.0)
        KIN201 Conditioning for Athletes-Co-Ed (units 1.0 - 1.0)
        KIN202 Conditioning for Athletes-Women (units 1.0 - 1.0)
        KIN203 Speed and Agility-Men (units 1.0 - 1.0)
        KIN204 Speed and Agility-Women (units 1.0 - 1.0)
    TEAM SPORTS (units 0.0 - 0.0)
    The following number of units
        KIN160A Basic Basketball (units 1.0 - 1.0)
        KIN160B Intermediate Basketball (units 1.0 - 1.0)
        KIN163A Basic Indoor Soccer (units 1.0 - 1.0)
        KIN168A Basic Volleyball (units 1.0 - 1.0)
        KIN168B Intermediate Volleyball (units 1.0 - 1.0)
    ELECTIVES - Select a minimum of three (3) units from the following: (units 3.0 - 7.0)
    The following number of units
        ACCT101 Financial Accounting (units 4.0 - 4.0)
        BIOL139 Health Microbiology (units 4.0 - 4.0)
        BIOL149 Human Anatomy and Physiology (units 4.0 - 4.0)
        BIOL229 General Microbiology (units 5.0 - 5.0)
        BIOL239 General Human Anatomy (units 4.0 - 4.0)
        BIOL249 Human Physiology (units 4.0 - 4.0)
        BIOL259 Environmental Biology (units 4.0 - 4.0)
        KIN101 First Aid and CPR (units 3.0 - 3.0)
        KIN102 Nutrition and Fitness (units 2.0 - 2.0)
        KIN104 Healthful Living (units 3.0 - 3.0)
        KIN110 Women's Health Issues (units 3.0 - 3.0)
        KIN111 Sports Psychology (units 3.0 - 3.0)
        NUTR115 Nutrition (units 3.0 - 3.0)
        PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
        PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
 Control Number: 39921

Kinesiology, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 20 – 24
The Associate in Arts in Kinesiology for Transfer degree prepares students to transfer to a four-year institution leadingto a baccalaureate degree in Kinesiology. Completion of the degree also provides guaranteed admission with junior status to the CSU systemin the Kinesiology major. Consult with a counselor regarding specific course requirements for your transfer institution.Upon completion of the Associate in Arts inKinesiology 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 (units 20.0 - 24.0)

All of the following
    Major requirements: (units 11.0 - 11.0)
    The following number of units
        KIN100 Introduction to Kinesiology (units 3.0 - 3.0)
        BIOL249 Human Physiology (units 4.0 - 4.0)
        BIOL239 General Human Anatomy (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. (units 3.0 - 3.0)

    AQUATICS (units 0.0 - 0.0)
    The following number of units
        KIN185A Basic Swimming (units 1.0 - 1.0)
        KIN185B Intermediate Swimming (units 1.0 - 1.0)
        KIN185C Advanced Swimming (units 1.0 - 1.0)

    COMBATIVES (units 0.0 - 0.0)
    The following number of units
        KIN125A Basic Cardio Kickboxing (units 1.0 - 1.0)
        KIN125B Intermediate Cardio Kickboxing (units 1.0 - 1.0)
        KIN128A Basic Tai Chi (units 1.0 - 1.0)

    DANCE (units 0.0 - 0.0)
    The following number of units
        DNCE106A Introduction to Modern Dance I (units 1.0 - 1.0)
        DNCE106B Introduction to Modern Dance II (units 1.0 - 1.0)
        DNCE108A Introduction to Ballet (units 1.0 - 1.0)
        DNCE108B Introduction to Ballet (units 1.0 - 1.0)
        DNCE115A Introduction to Tap Dance (units 1.0 - 1.0)
        DNCE115B Introduction to Tap Dance (units 1.0 - 1.0)
        DNCE119A Introduction to Jazz Dance (units 1.0 - 1.0)
        DNCE119B Introduction to Jazz Dance (units 1.0 - 1.0)

    FITNESS (units 0.0 - 0.0)
    The following number of units
        KIN119 Personal Fitness Evaluation (units 1.0 - 1.0)
        KIN126A Basic Spin (units 1.0 - 1.0)
        KIN126B Intermediate Spin (units 1.0 - 1.0)
        KIN127A Basic Yoga (units 1.0 - 1.0)
        KIN127B Intermediate Yoga (units 1.0 - 1.0)
        KIN127C Advanced Yoga (units 1.0 - 1.0)
        KIN128A Basic Tai Chi (units 1.0 - 1.0)
        KIN140A Basic Circuit Weight Training (units 1.0 - 1.0)
        KIN140B Intermediate Circuit Weight Training (units 1.0 - 1.0)
        KIN140C Advanced Circuit Weight Training (units 1.0 - 1.0)
        KIN146B Intermediate Strength Training (units 1.0 - 1.0)
        KIN146C Advanced Strength Training (units 1.0 - 1.0)
        KIN200 Conditioning for Athletes-Men (units 1.0 - 1.0)
        KIN201 Conditioning for Athletes-Co-Ed (units 1.0 - 1.0)
        KIN202 Conditioning for Athletes-Women (units 1.0 - 1.0)
        KIN203 Speed and Agility-Men (units 1.0 - 1.0)
        KIN204 Speed and Agility-Women (units 1.0 - 1.0)

    TEAM SPORTS (units 0.0 - 0.0)
    The following number of units
        KIN160A Basic Basketball (units 1.0 - 1.0)
        KIN160B Intermediate Basketball (units 1.0 - 1.0)
        KIN163A Basic Indoor Soccer (units 1.0 - 1.0)
        KIN168A Basic Volleyball (units 1.0 - 1.0)
        KIN168B Intermediate Volleyball (units 1.0 - 1.0)
    Select two (2) courses from the following (List A): (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. (units 0.0 - 0.0)
        Students may select CHEM200A or CHEM200AH. Credit will be awarded for only one. (units 0.0 - 0.0)

        Students may select MATH219, or MATH219H, or MATH219S. Credit will be awarded for only one. (units 0.0 - 0.0)
        Students may select PHYS150A or PHYS250A. Credit will be awarded for only one. (units 0.0 - 0.0)
        Students may select PSYCC1000 or PSYCC1000H. Credit will be awarded for only one. (units 0.0 - 0.0)
        Students may select SOC100 or SOC100H. Credit will be awarded for only one. (units 0.0 - 0.0)
        CHEM200A General Chemistry A (units 5.0 - 5.0)
        CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
        KIN101 First Aid and CPR (units 3.0 - 3.0)
        KIN104 Healthful Living (units 3.0 - 3.0)
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        STATC1000E Introduction to Statistics (units 4.0 - 4.0)
        PHYS150A Introductory Physics I (units 4.0 - 4.0)
        PHYS250A Physics for Scientists and Engineers I (units 5.0 - 5.0)
        PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
        PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
        SOC100 Introduction to Sociology (units 3.0 - 3.0)
        SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
Control Number: 32434

MANAGEMENT

General Management, AS

A.S. Degree Major
Unit Range for Completion: 19 – 20
The Associate of Science degree in General 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: General Management, AS (units 19.0 - 20.0)
All of the following
    Major requirements: (units 13.0 - 13.0)
    The following number of units
        ACCT101 Financial Accounting (units 4.0 - 4.0)
        BUS100 Fundamentals of Business (units 3.0 - 3.0)
        Select BUS120 or MGMT120. Credit will be awarded for only one. (units 0.0 - 0.0)
        BUS120 Principles of Management (units 3.0 - 3.0)
        MGMT120 Principles of Management (units 3.0 - 3.0)
        Select BUS222 or MGMT122. Credit will be awarded for only one. (units 0.0 - 0.0)
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
    Select two (2) courses from the following: (units 6.0 - 7.0)
    The following number of units
        ACCT100 Accounting for Small Business (units 3.0 - 3.0)
        ACCT102 Managerial Accounting (units 4.0 - 4.0)
        BUS105 Legal Environment of Business (units 3.0 - 3.0)
        BUS121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
        BUS150 Introduction to Information Systems and Applications (units 3.0 - 3.0)
        MKTG113 Principles of Marketing (units 3.0 - 3.0)
        MGMT121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
        BUS121 or MGMT121 are considered the same course. Credit will be awarded for only one. (units 0.0 - 0.0)
Control Number: 11861

Human Resource Management, CERT
Certificate of Proficiency

Unit Range for Completion: 12 – 12

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 (units 12.0 - 12.0)

The following number of units
- Rule Group (units 3.0 - 6.0)
- At least one of the following
  - MGMT120 Principles of Management (units 3.0 - 3.0)
  - BUS120 Principles of Management (units 3.0 - 3.0)
- Rule Group (units 3.0 - 6.0)
- At least one of the following
  - MGMT121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
  - BUS121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
- Rule Group (units 6.0 - 6.0)
- All of the following
  - MGMT135 Human Resource Management (units 3.0 - 3.0)
  - BUS105 Legal Environment of Business (units 3.0 - 3.0)
- **Control Number:**

Supervision, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12

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 (units 12.0 - 12.0)

The following number of units
- Rule Group (units 3.0 - 6.0)
- At least one of the following
  - MGMT121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
  - BUS121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
- MGMT135 Human Resource Management (units 3.0 - 3.0)
- Rule Group (units 3.0 - 6.0)
- At least one of the following
  - MGMT122 Business Communications (units 3.0 - 3.0)
  - BUS222 Business Writing (units 3.0 - 3.0)
- Rule Group (units 3.0 - 9.0)
- At least one of the following
  - MGMT120 Principles of Management (units 3.0 - 3.0)
  - BUS120 Principles of Management (units 3.0 - 3.0)
  - MGMT123 Supervision (units 3.0 - 3.0)
- **Control Number:**

MARKETING

Advertising, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12

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 (units 12.0 - 12.0)

The following number of units
- MKTG112 Principles of Advertising (units 3.0 - 3.0)
- MKTG113 Principles of Marketing (units 3.0 - 3.0)
- MKTG115 Consumer Behavior (units 3.0 - 3.0)
- MKTG135 Web Marketing and Promotion (units 3.0 - 3.0)
- Rule Group (units 0.0 - 0.0)
- All of the following
- **Control Number:**

General Marketing, AS
A.S. Degree Major
Unit Range for Completion: 18 – 19

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 (units 18.0 - 19.0)

All of the following
- Major requirements: (units 15.0 - 16.0)
- The following number of units
  - Select ACCT100 or ACCT101. Credit will be awarded for only one. (units 0.0 - 0.0)
  - ACCT100 Accounting for Small Business (units 3.0 - 3.0)
  - ACCT101 Financial Accounting (units 4.0 - 4.0)
  - Select BUS222 or MGMT122. Credit will be awarded for only one. (units 0.0 - 0.0)
  - BUS222 Business Writing (units 3.0 - 3.0)
  - MGMT122 Business Communications (units 3.0 - 3.0)
  - MKTG112 Principles of Advertising (units 3.0 - 3.0)
  - MKTG113 Principles of Marketing (units 3.0 - 3.0)
  - MKTG115 Consumer Behavior (units 3.0 - 3.0)
- Select one (1) course from the following: (units 3.0 - 3.0)
- The following number of units
  - BUS100 Fundamentals of Business (units 3.0 - 3.0)
  - BUS127 Introduction to E-Commerce (units 3.0 - 3.0)
  - MKTG114 Professional Selling (units 3.0 - 3.0)
  - MKTG135 Web Marketing and Promotion (units 3.0 - 3.0)
- **Control Number:** 11866

General Marketing, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12

The Certificate of Proficiencyin 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. 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: General Marketing, CERT (units 12.0 - 12.0)

The following number of units
- MKTG112 Principles of Advertising (units 3.0 - 3.0)
- MKTG113 Principles of Marketing (units 3.0 - 3.0)
- MKTG114 Professional Selling (units 3.0 - 3.0)

MKTG115 Consumer Behavior (units 3.0 - 3.0)
Control Number:

Social Media, AS
A.S. Degree Major
Unit Range for Completion: 24 – 24.5
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 (units 24.0 - 24.5)
All of the following
    Major Requirements: (units 15.0 - 15.0)
    All of the following
        MKTG113 Principles of Marketing (units 3.0 - 3.0)
        MKTG150 Introduction to Social Media (units 3.0 - 3.0)
        MKTG151 Social Media Marketing (units 3.0 - 3.0)
        ART149 Introduction to Digital Photography (units 3.0 - 3.0)
        COMM190 Communication and New Media (units 3.0 - 3.0)
    Business Writing - Select one (1) of the following: (units 3.0 - 3.0)
    The following number of units
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
    Statistics - Select one (1) of the following: (units 3.0 - 3.5)
    The following number of units
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        STATC1000E Introduction to Statistics (units 4.5 - 4.5)
    Cultural Communication and Understanding - Select one (1) of the following: (units 3.0 - 3.0)
    The following number of units
        ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
        ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
        COMM120 Intercultural Communication (units 3.0 - 3.0)
        COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
        PSYC240 Introduction to Social Psychology (units 3.0 - 3.0)
        SOC100 Introduction to Sociology (units 3.0 - 3.0)
        SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
Control Number: 44797

Web Marketing, CERT
Certificate of Proficiency
Unit Range for Completion: 9 – 9
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 (units 9.0 - 9.0)
The following number of units
    BUS127 Introduction to E-Commerce (units 3.0 - 3.0)
    MKTG113 Principles of Marketing (units 3.0 - 3.0)
    MKTG135 Web Marketing and Promotion (units 3.0 - 3.0)
Control Number:

MATHEMATICS

Mathematics, AS-T
A.S. Degree for Transfer
Unit Range for Completion: 18 – 22
The Associate in Science inMathematics for Transferdegree 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 (units 18.0 - 22.0)
All of the following
    Major requirements: (units 12.0 - 12.0)
    The following number of units
        Select MATH180 or MATH180H. Credit not given for both. (units 0.0 - 0.0)
        MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)
        MATH180 Single Variable Calculus I (units 4.0 - 4.0)
        MATH185 Single Variable Calculus II (units 4.0 - 4.0)
        MATH280 Intermediate Calculus (units 4.0 - 4.0)
    Select one (1) course from the following (List A): (units 3.0 - 5.0)
    The following number of units
        MATH287 Introduction to Linear Algebra and Differential Equations (units 5.0 - 5.0)
        MATH290 Linear Algebra (units 3.0 - 3.0)
        MATH295 Differential Equations (units 3.0 - 3.0)
    Select one (1) course from the following (List B): (units 3.0 - 5.0)
    The following number of units
        CMPR112 Java Programming (units 3.0 - 3.0)
        CMPR120 Introduction to Programming (units 3.0 - 3.0)
        CMPR213 C# Programming (units 3.0 - 3.0)
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        STATC1000E Introduction to Statistics (units 4.0 - 4.0)
        PHYS250A Physics for Scientists and Engineers I (units 5.0 - 5.0)
Control Number: 31040

Data Science, AS
A.S. Degree Major
Unit Range for Completion: 16 – 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 (units 16.0 - 19.5)
All of the following
    Major Requirements: (units 13.0 - 15.0)
    The following number of units
        Please select CIS111 or CMPR120 . Credit will be awarded for only one selection. (units 0.0 - 0.0)
        CIS111 Python Programming (units 3.0 - 3.0)
        CMPR120 Introduction to Programming (units 3.0 - 3.0)
        CMPR131 Data Structures Concepts (units 3.0 - 3.0)
        MATH225 Introduction to Data Science (units 4.0 - 4.0)
        Please select MATH287 or MATH290. Credit will be awarded for only one selection. (units 0.0 - 0.0)
        MATH287 Introduction to Linear Algebra and Differential

Equations (units 5.0 - 5.0)
MATH290 Linear Algebra (units 3.0 - 3.0)
Select one (1) course from the following: (units 3.0 - 4.5)
The following number of units
CMPR121 Programming Concepts (units 3.0 - 3.0)
CMPR149 Discrete Structures for Computer Science (units 3.0 - 3.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
MATH220 Statistics and Probability with Integrated Review (units 4.5 - 4.5)
MATH270 Discrete Mathematics (units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (units 4.0 - 4.0)
SOCI20 Introduction to Sociological Research Methods (units 3.0 - 3.0)
SOCI25 Introduction to Statistics in Sociology (units 3.0 - 3.0)
SOCI25H Honors Introduction to Statistics in Sociology (units 3.0 - 3.0)
Control Number: 43692

Data Science, CA
Certificate of Achievement
Unit Range for Completion: 16 – 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 (units 16.0 - 19.5)
All of the following
Major Requirements (units 13.0 - 15.0)
The following number of units
Please select CIS111 or CMPR120. Credit will be awarded for only one selection. (units 0.0 - 0.0)
CIS111 Python Programming (units 3.0 - 3.0)
CMPR120 Introduction to Programming (units 3.0 - 3.0)
CMPR131 Data Structures Concepts (units 3.0 - 3.0)
MATH225 Introduction to Data Science (units 4.0 - 4.0)
Please select MATH287 or MATH290. Credit will be awarded for only one selection. (units 0.0 - 0.0)
MATH287 Introduction to Linear Algebra and Differential Equations (units 5.0 - 5.0)
MATH290 Linear Algebra (units 3.0 - 3.0)
Select one (1) course from the following list: (units 3.0 - 4.5)
The following number of units
CMPR121 Programming Concepts (units 3.0 - 3.0)
CMPR149 Discrete Structures for Computer Science (units 3.0 - 3.0)
STATC1000 Introduction to Statistics (units 4.0 - 4.0)
STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
MATH220 Statistics and Probability With Integrated Review (units 4.5 - 4.5)
MATH270 Discrete Mathematics (units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (units 4.0 - 4.0)
SOCI20 Introduction to Sociological Research Methods (units 3.0 - 3.0)
SOCI25 Introduction to Statistics in Sociology (units 3.0 - 3.0)
SOCI25H Honors Introduction to Statistics in Sociology (units 3.0 - 3.0)
Control Number: 44319

MODERN LANGUAGES

Modern Languages, AA
A.A. Degree Major
Unit Range for Completion: 21 – 23

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 ofrestricted electives.
Program Rules: Modern Languages, AA (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. (units 0.0 - 0.0)
Completion of five (5) units in a SECOND language (units 0.0 - 0.0)
Completion of a minimum of three (3) units of restricted electives (units 0.0 - 0.0)
Major Requirements: (units 18.0 - 18.0)
The following number of units
FREN101 Elementary French I (units 5.0 - 5.0)
FREN102 Elementary French II (units 5.0 - 5.0)
FREN194 Conversation and Composition I (units 3.0 - 3.0)
FREN201 Intermediate French I (units 5.0 - 5.0)
FREN202 Intermediate French II (units 5.0 - 5.0)
ITAL101 Elementary Italian I (units 5.0 - 5.0)
ITAL102 Elementary Italian II (units 5.0 - 5.0)
ITAL194 Conversation and Composition (units 3.0 - 3.0)
ITAL195 Advanced Conversational Italian (units 3.0 - 3.0)
ITAL201 Intermediate Italian I (units 5.0 - 5.0)
ITAL202 Intermediate Italian II (units 5.0 - 5.0)
SPAN101 Elementary Spanish I (units 5.0 - 5.0)
SPAN101H Honors Elementary Spanish I (units 5.0 - 5.0)
SPAN101A Elementary Spanish IA (units 2.5 - 2.5)
SPAN101B Elementary Spanish IB (units 2.5 - 2.5)
SPAN102 Elementary Spanish II (units 5.0 - 5.0)
SPAN110 Spanish for Spanish Speakers 1 (units 5.0 - 5.0)
SPAN111 Spanish for Spanish Speakers 2 (units 5.0 - 5.0)
SPAN194 Beginning Conversational Spanish (units 3.0 - 3.0)
SPAN195A Advanced Conversational Spanish (units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (units 3.0 - 3.0)
SPAN201 Intermediate Spanish I (units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (units 5.0 - 5.0)
SPAN213 College Spanish Composition (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. (units 0.0 - 0.0)
Restricted Electives (units 3.0 - 5.0)
The following number of units
Any course listed above in a THIRD language (units 0.0 - 0.0)
ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
ART101 Survey of Western Art History I: Prehistory Through the Middle Ages (units 3.0 - 3.0)
ART102 Survey of Western Art History II: Renaissance Through the Twentieth Century (units 3.0 - 3.0)
CHNS101 Elementary Chinese I (units 5.0 - 5.0)
CHNS102 Elementary Chinese II (units 5.0 - 5.0)
COMM100 Introduction to Interpersonal Communication (units 3.0 - 3.0)
COMM100H Honors Introduction to Interpersonal Communication (units 3.0 - 3.0)
ENGL102 Literature and Composition (units 4.0 - 4.0)

ENGL102H Honors Literature and Composition (units 4.0 - 4.0)
ENGL271 Survey of World Literature I (units 3.0 - 3.0)
ENGL272 Survey of World Literature II (units 3.0 - 3.0)
GEOG100 World Regional Geography (units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (units 3.0 - 3.0)
HIST101 World Civilizations to the 16th Century (units 3.0 - 3.0)
HIST101H Honors World Civilizations to the 16th Century (units 3.0 - 3.0)
HIST102 World Civilizations Since the 16th Century (units 3.0 - 3.0)
HIST102H Honors World Civilizations Since the 16th Century (units 3.0 - 3.0)
HIST124 Mexican-American History in the United States (units 3.0 - 3.0)
POLSC1000 American Government and Politics (units 3.0 - 3.0)
POLSC1000H American Government and Politics - Honors (units 3.0 - 3.0)
POLT220 International Politics (units 3.0 - 3.0)
 Control Number: 11925

NUTRITION AND FOOD

Nutrition and Dietetics, AS-T
A.S. Degree for Transfer
Unit Range for Completion: 27 – 30
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 (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. (units 0.0 - 0.0)
   Major requirements: (units 16.0 - 16.0)
   The following number of units
      BIOL229 General Microbiology (units 5.0 - 5.0)
      Select CHEM200A or CHEM 200AH. Credit will be awarded for only one. (units 0.0 - 0.0)
      CHEM200A General Chemistry A (units 5.0 - 5.0)
      CHEM200AH Honors General Chemistry A (units 5.0 - 5.0)
      NUTRI15 Nutrition (units 3.0 - 3.0)
      Select PSYCC1000 or PSYCC1000H. Credit will be awarded for only one. (units 0.0 - 0.0)
      PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
      PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
   Select two (2) courses from the following (List A): (units 8.0 - 10.0)
   The following number of units
      BIOL239 General Human Anatomy (units 4.0 - 4.0)
      BIOL249 Human Physiology (units 4.0 - 4.0)
      CHEM200B General Chemistry B (units 5.0 - 5.0)
      CHEM280A Organic Chemistry A (units 5.0 - 5.0)
      STATC1000 Introduction to Statistics (units 4.0 - 4.0)
      STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
      STATC1000E Introduction to Statistics (units 4.0 - 4.0)
      MATH 219 or MATH219H or MATH219S are considered the same course and credit will be awarded for only one. (units 0.0 - 0.0)
   Select one (1) course from the following (List B): (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. (units 0.0 - 0.0)
      NUTRI120 Food and Culture (units 3.0 - 3.0)
 Control Number: 35735

PHILOSOPHY

Philosophy, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 19 – 20
The Associate in Arts in Philosophy for Transfer degreeprepares 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 aCalifornia State University to pursue a baccalaureate degree. Thetransfer degree prepares students who plan to teach philosophy, or who plan to studytheology orlaw, and establishesa foundation for graduate studies in the areas ofliberal arts, critical theory, international relations, cognitive science and specialized historical studies.
Program Rules: Philosophy, AA-T (units 19.0 - 20.0)
The following number of units
   Major requirements: (units 7.0 - 7.0)
   The following number of units
      Select PHIL106 or 106H or PHIL 108. Credit will be awarded for only one. (units 0.0 - 0.0)
      PHIL106 Introduction to Philosophy (units 3.0 - 3.0)
      PHIL106H Honors Introduction to Philosophy (units 3.0 - 3.0)
      PHIL108 Ethics (units 3.0 - 3.0)
      PHIL111 Introductory Logic (units 4.0 - 4.0)
   Select one (1) course from the following (List A): (units 3.0 - 4.0)
   The following number of units
      PHIL110 Critical Thinking (units 3.0 - 3.0)
      PHIL112 World Religions (units 4.0 - 4.0)
      PHIL118 History of Philosophy (units 3.0 - 3.0)
   Select two (2) courses from thefollowing (List B): (units 6.0 - 7.0)
   The following number of units
      PHIL115 Philosophy of Religion (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. (units 0.0 - 0.0)
   Select one (1) course from the following (List C): (units 3.0 - 4.0)
   The following number of units
      PHIL120 Introduction to Social and Political Philosophy (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. (units 0.0 - 0.0)
 Control Number: 32042

PHYSICS

Physics, AS-T
A.S. Degree for Transfer
Unit Range for Completion: 27 – 27
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 (units 27.0 - 27.0)
The following number of units
   Rule Group (units 4.0 - 8.0)
   At least one of the following
      MATH180 Single Variable Calculus I (units 4.0 - 4.0)
      MATH180H Honors Single Variable Calculus I (units 4.0 - 4.0)
   Rule Group (units 23.0 - 23.0)
   All of the following
      MATH185 Single Variable Calculus II (units 4.0 - 4.0)
      MATH280 Intermediate Calculus (units 4.0 - 4.0)
      PHYS250A Physics for Scientists and Engineers I (units 5.0 - 5.0)

PHYS250B Physics for Scientists and Engineers II (units 5.0 - 5.0)
PHYS250C Physics for Scientists and Engineers III (units 5.0 - 5.0)
 Control Number: 31039

POLITICAL SCIENCE

Political Science, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 18 – 18
The Associate in Arts in Political Science for Transfer degreeprepares 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 (units 18.0 - 18.0)
All of the following
   Major requirements: (units 3.0 - 3.0)
   The following number of units
      POLSC1000 American Government and Politics (units 3.0 - 3.0)
      POLSC1000H American Government and Politics - Honors (units 3.0 - 3.0)
   Students are required to take the following (List A): (units 9.0 - 9.0)
   All of the following
      POLT201 Introduction to Comparative Politics (units 3.0 - 3.0)
      POLT220 International Politics (units 3.0 - 3.0)
      POLT230 Political Theory (units 3.0 - 3.0)
   Select two (2) courses from the following (List B): (units 6.0 - 6.0)
   The following number of units
      ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
      ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
      ECON101 Principles/Micro (units 3.0 - 3.0)
      ECON102 Principles/Macro (units 3.0 - 3.0)
      HIST101 World Civilizations to the 16th Century (units 3.0 - 3.0)
      HIST101H Honors World Civilizations to the 16th Century (units 3.0 - 3.0)
      POLT221 Women in American Politics (units 3.0 - 3.0)
      SOC100 Introduction to Sociology (units 3.0 - 3.0)
      SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
 Control Number: 31730

COMPANION ANIMAL TRAINING

Companion Animal Training, AA
A.A. Degree Major
Unit Range for Completion: 22 – 22
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 (units 22.0 - 22.0)
All of the following
   Major Requirements: (units 19.0 - 19.0)
   The following number of units
      Select PSYCC1000 or PSYCC1000H. Credit will only be awarded for one course. (units 0.0 - 0.0)
      PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
      PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)

PSYC110 Introduction to Companion Animal Psychology (units 3.0 - 3.0)
PSYC114 Introduction to Animal Learning and Behavior (units 3.0 - 3.0)
PSYC118 Behavior Modification (units 3.0 - 3.0)
PSYC122 Dog Training (units 3.0 - 3.0)
PSYC220 Introduction to Research Methods in Psychology (units 4.0 - 4.0)
Select one (1) course from the following: (units 3.0 - 3.0)
The following number of units
      BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
      BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
      BUS170 Principles of Small Business Management (units 3.0 - 3.0)
      COMM100 Introduction to Interpersonal Communication (units 3.0 - 3.0)
      COMM100H Honors Introduction to Interpersonal Communication (units 3.0 - 3.0)
      COMMC1000 Public Speaking (units 3.0 - 3.0)
      PSYC200 Introduction to Biological Psychology (units 3.0 - 3.0)
Control Number: 43691

PSYCHOLOGY

Psychology, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 20 – 21
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 inPsychology guarantees the student acceptance to a local California State University to pursue a baccalaureate degree inPsychology or a related field.
Program Rules: Psychology, AA-T (units 20.0 - 21.0)
All of the following
   Major requirements: (units 11.0 - 11.0)
   All of the following
      PSYC220 Introduction to Research Methods in Psychology (units 4.0 - 4.0)
      Mathematics Requirement (units 4.0 - 4.0)
      The following number of units
         STATC1000 Introduction to Statistics (units 4.0 - 4.0)
         STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
         STATC1000E Introduction to Statistics (units 4.0 - 4.0)
      General Psychology Requirement (units 3.0 - 3.0)
      The following number of units
         PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
         PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
   List A: (units 3.0 - 3.0)
   The following number of units
      BIOL109 Fundamentals of Biology (units 3.0 - 3.0)
      BIOL109H Honors Fundamentals of Biology (units 3.0 - 3.0)
      PSYC200 Introduction to Biological Psychology (units 3.0 - 3.0)
   List B: (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. (units 0.0 - 0.0)
      CDEV107 Child Growth and Development (DS1) (units 3.0 - 3.0)
      PSYC157 Introduction to Child Psychology (units 3.0 - 3.0)
      PSYC240 Introduction to Social Psychology (units 3.0 - 3.0)
      SOC240 Introduction to Social Psychology (units 3.0 - 3.0)
      Student may only earn credit for CDEV 107 or PSYC 157. (units

0.0 - 0.0)
Student may only earn credit for PSYC 240 or SOC 240. (units 0.0 - 0.0)
List C: (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. (units 0.0 - 0.0)
ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
ANTH101 Introduction to Physical Anthropology (units 3.0 - 3.0)
PHIL110 Critical Thinking (units 3.0 - 3.0)
PHIL111 Introductory Logic (units 4.0 - 4.0)
PSYC160 Introduction to Lifespan Psychology (units 4.0 - 4.0)
PSYC170 Multicultural Psychology (units 3.0 - 3.0)
PSYC180 Psychology of Gender (units 3.0 - 3.0)
PSYC230 Psychology of Adjustment (units 3.0 - 3.0)
PSYC250 Introduction to Abnormal Psychology (units 3.0 - 3.0)
PSYC190 Psychology of Human Sexuality (units 3.0 - 3.0)
SOC100 Introduction to Sociology (units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
Control Number: 31041

PUBLIC WORKS

Code Enforcement and Compliance, AS

A.S. Degree Major
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
All of the following
Major requirements: (units 9.0 - 9.0)
The following number of units
CJ101 Introduction to Criminal Justice (units 3.0 - 3.0)
PBLC085 Code Enforcement Officer (units 3.0 - 3.0)
PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
Select nine (9) units from the following: (units 9.0 - 9.0)
The following number of units
PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)
PBLC151 Ethics and Professionalism: The High Calling of Public Service (units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
PBLC153 Public Sector Budgeting Fundamentals (units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (units 3.0 - 3.0)
PBLC155 The Art of Politics and Policymaking (units 3.0 - 3.0)
Control Number: 37073

Code Enforcement and Compliance, CA

Certificate of Achievement
Unit Range for Completion: 18 – 18

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 (units 18.0 - 18.0)
All of the following
Certificate Requirements: (units 9.0 - 9.0)
The following number of units
CJ101 Introduction to Criminal Justice (units 3.0 - 3.0)
PBLC085 Code Enforcement Officer (units 3.0 - 3.0)
PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
Select nine (9) units from the following: (units 9.0 - 9.0)
The following number of units
PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)
PBLC151 Ethics and Professionalism: The High Calling of Public Service (units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
PBLC153 Public Sector Budgeting Fundamentals (units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (units 3.0 - 3.0)
PBLC155 The Art of Politics and Policymaking (units 3.0 - 3.0)
Control Number: 37102

Code Enforcement Officer, CERT

Certificate of Proficiency
Unit Range for Completion: 4 – 4
The Certificate of Proficiency 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 designedfor 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, CERT (units 4.0 - 4.0)
The following number of units
PBLC086 Basic Code Enforcement Officer (units 1.0 - 1.0)
PBLC087 Intermediate Code Enforcement Officer (units 1.0 - 1.0)
PBLC088 Advanced Code Enforcement Officer (units 1.0 - 1.0)
PBLC089 Code Enforcement Officer-Supervision (units 1.0 - 1.0)
Control Number:

Construction Inspection, AS

A.S. Degree Major
Unit Range for Completion: 21 – 21
The Associate of Science degree in Construction Inspection 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, AS (units 21.0 - 21.0)
All of the following
Major Requirements: (units 12.0 - 12.0)
The following number of units
PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)

CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
Select one (1) course from the following: (units 0.0 - 0.0)
The following number of rules
BUS222 Business Writing (units 3.0 - 3.0)
MGMT122 Business Communications (units 3.0 - 3.0)
PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
Please select three (3) courses from the list below. (units 9.0 - 9.0)
The following number of units
PBLC051 Infrastructure Construction and Maintenance (units 3.0 - 3.0)
PBLC063 Construction Materials and Testing (units 3.0 - 3.0)
PBLC070 Construction Inspection (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. (units 0.0 - 0.0)
PBLC086 Basic Code Enforcement Officer Module 1 (units 1.0 - 1.0)
PBLC087 Intermediate Code Enforcement Officer Module 2 (units 1.0 - 1.0)
PBLC088 Advanced Code Enforcement Officer Module 3 (units 1.0 - 1.0)
WATR060 Water Utility Maintenance and Construction (units 3.0 - 3.0)
 Control Number: 32319

Construction Inspection, CA
Certificate of Achievement
Unit Range for Completion: 21 – 21
The Certificate of Achievement in Construction Inspection 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, CA (units 21.0 - 21.0)
All of the following
Certificate Requirements: (units 12.0 - 12.0)
The following number of units
PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
Select one (1) course from the following: (units 0.0 - 0.0)
The following number of rules
BUS222 Business Writing (units 3.0 - 3.0)
MGMT122 Business Communications (units 3.0 - 3.0)
PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
Select three (3) courses from the following: (units 9.0 - 9.0)
The following number of units
PBLC051 Infrastructure Construction and Maintenance (units 3.0 - 3.0)
PBLC063 Construction Materials and Testing (units 3.0 - 3.0)
PBLC070 Construction Inspection (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. (units 0.0 - 0.0)
PBLC086 Basic Code Enforcement Officer Module 1 (units 1.0 - 1.0)
PBLC087 Intermediate Code Enforcement Officer Module 2 (units 1.0 - 1.0)
PBLC088 Advanced Code Enforcement Officer Module 3 (units 1.0 - 1.0)
WATR060 Water Utility Maintenance and Construction (units 3.0 - 3.0)
 Control Number: 11910

Construction Management, AS
A.S. Degree Major
Unit Range for Completion: 21 – 21
This Associate of Science degree in Construction Management 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 Management, AS (units 21.0 - 21.0)
All of the following
Major Requirements: (units 12.0 - 12.0)
The following number of units
PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
Select one (1) course from the following: (units 0.0 - 0.0)
The following number of rules
BUS222 Business Writing (units 3.0 - 3.0)
MGMT122 Business Communications (units 3.0 - 3.0)
PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
Select three (3) courses from the following: (units 9.0 - 9.0)
The following number of units
PBLC074 Contract Administration (units 3.0 - 3.0)
PBLC080 Principles of Project Management (units 3.0 - 3.0)
PBLC110 Introduction to Microsoft Project (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. (units 0.0 - 0.0)
PBLC153 Public Sector Budgeting Fundamentals (units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (units 3.0 - 3.0)
 Control Number: 11909

Construction Management, CA
Certificate of Achievement
Unit Range for Completion: 21 – 21
This Certificate of Achievement in Construction Managementis 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 Management, CA (units 21.0 - 21.0)
All of the following
Certificate Requirements: (units 12.0 - 12.0)
All of the following
PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)
CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
Select one (1) course from the following: (units 3.0 - 3.0)
The following number of units
BUS222 Business Writing (units 3.0 - 3.0)
MGMT122 Business Communications (units 3.0 - 3.0)
PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
Select three (3) courses from the following: (units 9.0 - 9.0)
The following number of units
PBLC074 Contract Administration (units 3.0 - 3.0)
PBLC080 Principles of Project Management (units 3.0 - 3.0)
CIS110 Introduction to Microsoft Project (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. (units 0.0 - 0.0)
PBLC153 Public Sector Budgeting Fundamentals (units 3.0 - 3.0)
PBLC154 Public Sector Human Resources Fundamentals (units 3.0 - 3.0)
 Control Number: 21673

Environmental Management, AS
A.S. Degree Major
Unit Range for Completion: 21 – 21
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 (units 21.0 - 21.0)

All of the following
    Major Requirements: (units 12.0 - 12.0)
    All of the following
        PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
        PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)
        CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
        Select one (1) from the following: (units 3.0 - 3.0)
        The following number of units
            BUS222 Business Writing (units 3.0 - 3.0)
            MGMT122 Business Communications (units 3.0 - 3.0)
            PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
            PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
    Select three (3) courses from the list below: (units 9.0 - 9.0)
    The following number of units
        PBLC067 Environmental Management (units 3.0 - 3.0)
        PBLC068 Fundamentals of Storm Water Management (units 3.0 - 3.0)
        PBLC069 Green Infrastructure Construction (units 3.0 - 3.0)
        Only one (1) of the three (3) courses below can be used to substitute any of the above courses. (units 0.0 - 0.0)
            SURV155 Introduction to Geographic Information Systems (units 3.0 - 3.0)
            GEOG155 Introduction to Geographic Information Systems (units 3.0 - 3.0)
            WATR052 Water Conservation Practitioner (units 3.0 - 3.0)
  Control Number: 31847

Environmental Management, CA
Certificate of Achievement
Unit Range for Completion: 21 – 21

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: (units 21.0 - 21.0)

All of the following
    PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
    PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)
    CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
    Select one (1) course from the following: (units 3.0 - 3.0)
    The following number of units
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
        PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
        PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
    Select three (3) courses from the following: (units 9.0 - 9.0)
    The following number of units
        PBLC067 Environmental Management (units 3.0 - 3.0)
        PBLC068 Fundamentals of Storm Water Management (units 3.0 - 3.0)
        PBLC069 Green Infrastructure Construction (units 3.0 - 3.0)
        Only (1) of the two (2) courses below can be used to substitute any of the above courses. (units 0.0 - 0.0)
            SURV155 Introduction to Geographic Information Systems (units 3.0 - 3.0)
            GEOG155 Introduction to Geographic Information Systems (units 3.0 - 3.0)
            WATR052 Water Conservation Practitioner (units 3.0 - 3.0)

Control Number: 31848

Public Works, CERT
Certificate of Proficiency
Unit Range for Completion: 10 – 15

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 (units 10.0 - 15.0)

The following number of units
    Certificate Requirements (units 6.0 - 6.0)
    PBLC050 Fundamentals of Public Works (units 3.0 - 3.0)
    PBLC061 Plan Interpretation and Cost Estimating (units 3.0 - 3.0)
    Select one (1) course from the following; (units 3.0 - 3.0)
    PBLC070 Construction Inspection (units 3.0 - 3.0)
    PBLC074 Contract Administration (units 3.0 - 3.0)
    PBLC080 Principles of Project Management (units 3.0 - 3.0)
    PBLC063 Construction Materials and Testing (units 3.0 - 3.0)
    PBLC051 Infrastructure Construction and Maintenance (units 3.0 - 3.0)
    PBLC110 Introduction to Microsoft Project (units 3.0 - 3.0)
    Select one (1) course from the following; (units 1.0 - 6.0)
    PBLC199 Cooperative Work Experience Education (units 1.0 - 4.0)
    PBLC069 Green Infrastructure Construction (units 3.0 - 3.0)
    PBLC068 Fundamentals of Storm Water Management (units 3.0 - 3.0)
    PBLC067 Environmental Management (units 3.0 - 3.0)
    PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
    PBLC153 Public Sector Budgeting Fundamentals (units 3.0 - 3.0)
  Control Number:

Public Administration and Policy, CERT
Certificate of Proficiency
Unit Range for Completion: 15 – 15

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 (units 15.0 - 15.0)

All of the following
    Certificate Requirements: (units 12.0 - 12.0)
    The following number of units
        PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
        PBLC151 Ethics and Professionalism: The High Calling of Public Service (units 3.0 - 3.0)
        PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
        PBLC155 The Art of Politics and Policymaking (units 3.0 - 3.0)
    Select one (1) course from following: (units 3.0 - 3.0)
    The following number of units
        PBLC153 Public Sector Budgeting Fundamentals (units 3.0 - 3.0)
        PBLC154 Public Sector Human Resources Fundamentals (units 3.0 - 3.0)
  Control Number:

Public Administration, AS
A.S. Degree Major
Unit Range for Completion: 18 – 18

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 (units 18.0 - 18.0)
The following number of units
   PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
   PBLC151 Ethics and Professionalism: The High Calling of Public Service (units 3.0 - 3.0)
   PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
   PBLC153 Public Sector Budgeting Fundamentals (units 3.0 - 3.0)
   PBLC154 Public Sector Human Resources Fundamentals (units 3.0 - 3.0)
   PBLC155 The Art of Politics and Policymaking (units 3.0 - 3.0)
 Control Number: 42990

Public Administration, CA
Certificate of Achievement
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
The following number of units
   PBLC150 Introduction to Public Administration (units 3.0 - 3.0)
   PBLC151 Ethics and Professionalism: The High Calling of Public Service (units 3.0 - 3.0)
   PBLC152 Preparing for Supervision Public Sector (units 3.0 - 3.0)
   PBLC153 Public Sector Budgeting Fundamentals (units 3.0 - 3.0)
   PBLC154 Public Sector Human Resources Fundamentals (units 3.0 - 3.0)
   PBLC155 The Art of Politics and Policymaking (units 3.0 - 3.0)
 Control Number: 43901

REAL ESTATE

Real Estate Appraisal, CERT
Certificate of Proficiency
Unit Range for Completion: 14 – 14
The Certificate of Proficiencyin 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 (units 14.0 - 14.0)
The following number of units
   Core Requirements: (units 11.0 - 11.0)
   All of the following
      RE102 Real Estate Principles (units 3.0 - 3.0)
      RE114 Appraisal Principles and Procedures (units 3.5 - 3.5)
      RE116 Residential Real Estate Appraisal (units 3.5 - 3.5)
      RE117 Residential Report Writing and Case Studies (units 1.0 - 1.0)
   Select one (1) of the following: (units 3.0 - 3.0)
   The following number of units
      RE103 Legal Aspects of Real Estate (units 3.0 - 3.0)
      RE110 Real Estate Economics (units 3.0 - 3.0)
 Control Number:

Real Estate Salesperson, CERT
Certificate of Proficiency
Unit Range for Completion: 13.5 – 13.5
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 (units 13.5 - 13.5)
The following number of units
   Core Requirements: (units 10.5 - 10.5)
   All of the following
      RE102 Real Estate Principles (units 3.0 - 3.0)
      RE105 Real Estate Practice (units 3.0 - 3.0)
      RE114 Appraisal Principles and Procedures (units 3.5 - 3.5)
      RE160 Real Estate Soft Skills (units 1.0 - 1.0)
   Select one (1)course from the following: (units 3.0 - 3.0)
   The following number of units
      RE103 Legal Aspects of Real Estate (units 3.0 - 3.0)
      RE106 Real Estate Finance (units 3.0 - 3.0)
      RE110 Real Estate Economics (units 3.0 - 3.0)
      RE112 Real Property Management (units 3.0 - 3.0)
      RE151 Fundamentals of Escrow (units 3.0 - 3.0)
 Control Number:

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 (units 22.5 - 25.5)
All of the following
   Major requirements: (units 21.5 - 21.5)
   The following number of units
      RE102 Real Estate Principles (units 3.0 - 3.0)
      RE103 Legal Aspects of Real Estate (units 3.0 - 3.0)
      RE105 Real Estate Practice (units 3.0 - 3.0)
      RE106 Real Estate Finance (units 3.0 - 3.0)
      RE112 Real Property Management (units 3.0 - 3.0)
      RE114 Appraisal Principles and Procedures (units 3.5 - 3.5)
      RE151 Fundamentals of Escrow (units 3.0 - 3.0)
   Select one (1) course from the following: (units 1.0 - 4.0)
   The following number of units
      ACCT100 Accounting for Small Business (units 3.0 - 3.0)
      ACCT101 Financial Accounting (units 4.0 - 4.0)
      RE110 Real Estate Economics (units 3.0 - 3.0)
      RE116 Residential Real Estate Appraisal (units 3.5 - 3.5)
      RE117 Residential Report Writing and Case Studies (units 1.0 - 1.0)
      RE153 Real Estate License Preparation (units 3.0 - 3.0)
      RE160 Real Estate Employability Skills (units 1.0 - 1.0)
 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 (units 22.5 - 25.5)
All of the following

Certificate requirements: (units 21.5 - 21.5)
The following number of units
    RE102 Real Estate Principles (units 3.0 - 3.0)
    RE103 Legal Aspects of Real Estate (units 3.0 - 3.0)
    RE105 Real Estate Practice (units 3.0 - 3.0)
    RE106 Real Estate Finance (units 3.0 - 3.0)
    RE112 Real Property Management (units 3.0 - 3.0)
    RE114 Appraisal Principles and Procedures (units 3.5 - 3.5)
    RE151 Fundamentals of Escrow (units 3.0 - 3.0)
Select one (1)course from the following: (units 1.0 - 4.0)
The following number of units
    RE116 Residential Real Estate Appraisal (units 3.5 - 3.5)
    RE117 Residential Report Writing and Case Studies (units 1.0 - 1.0)
    RE110 Real Estate Economics (units 3.0 - 3.0)
    RE160 Real Estate Employability Skills (units 1.0 - 1.0)
    RE153 Real Estate License Preparation (units 3.0 - 3.0)
    ACCT101 Financial Accounting (units 4.0 - 4.0)
    ACCT100 Accounting for Small Business (units 3.0 - 3.0)
    BUS105 Legal Environment of Business (units 3.0 - 3.0)
Control Number: 21639

SOCIAL JUSTICE STUDIES

Social Justice Studies: Chicano, AA-T
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
All of the following
    Major requirements: (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. (units 0.0 - 0.0)
        ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
        SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
    List A - Select three (3) courses from at least two (2) of the following areas: (units 9.0 - 9.0)
    The following number of units
        Area 1: History and Government (units 0.0 - 0.0)
        HIST118 Social and Cultural History of the United States (units 3.0 - 3.0)
        HIST124 Mexican American History in the United States (units 3.0 - 3.0)
        Area 2: Arts and Humanities (units 0.0 - 0.0)
        ENGL279 Survey of Latinx Literature (units 3.0 - 3.0)
        HIST152 Latin American History (units 3.0 - 3.0)
        Area 3: Social Science (units 0.0 - 0.0)
        COMM120 Intercultural Communication (units 3.0 - 3.0)
        COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
        PSYC170 Multicultural Psychology (units 3.0 - 3.0)
        Area 4: Quantitative Reasoning and Research Methods (units 0.0 - 0.0)
        SOC120 Introduction to Sociological Research Methods (units 3.0 - 3.0)

Area 5: Major Preparation (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. (units 0.0 - 0.0)
ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
Control Number: 37132

Social Justice Studies: Ethnic, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
All of the following
    Major requirements: (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. (units 0.0 - 0.0)
        ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
        SOC286 Introduction to LGBTQ Studies (units 3.0 - 3.0)
    Select three (3) courses from at least two (2) of the following areas (List A): (units 9.0 - 9.0)
    The following number of units
        Area 1: History and Government (units 0.0 - 0.0)
        HIST118 Social and Cultural History of the United States (units 3.0 - 3.0)
        HIST124 Mexican American History in the United States (units 3.0 - 3.0)
        HIST127 Women in U.S. History (units 3.0 - 3.0)
        POLT221 Women in American Politics   (units 3.0 - 3.0)
        Area 2: Arts and Humanities (units 0.0 - 0.0)
        ENGL279 Survey of Latinx Literature (units 3.0 - 3.0)
        ENGL278 Survey of Literature by Women (units 3.0 - 3.0)
        HIST152 Latin American History (units 3.0 - 3.0)
        HIST162 Asian Civilizations (units 3.0 - 3.0)
        Area 3: Social Science (units 0.0 - 0.0)
        COMM120 Intercultural Communication (units 3.0 - 3.0)
        COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
        HIST240 Introduction to Peace and Conflict Studies (units 3.0 - 3.0)
        PSYC170 Multicultural Psychology (units 3.0 - 3.0)
        PSYC180 Psychology of Gender (units 3.0 - 3.0)
        Area 4: Quantitative Reasoning and Research Methods (units 0.0 - 0.0)
        SOC120 Introduction to Sociological Research Methods (units 3.0 - 3.0)
        Area 5: Major Preparation Units (may not be a course to satisfy the core requirements) (units 0.0 - 0.0)
        ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
Control Number: 37162

Social Justice Studies: Gender, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 18 – 18
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 (units 18.0 - 18.0)
All of the following
    Major Requirement: (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. (units 0.0 - 0.0)
        ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
    CORE: (units 3.0 - 3.0)
    The following number of units
        ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
        GSWS101 Introduction to Women's Studies (units 3.0 - 3.0)
        SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
        SOC286 Introduction to LGBTQ Studies (units 3.0 - 3.0)
    List A - Select three (3) courses from at least (2) two of the areas. (units 9.0 - 9.0)
    The following number of units
        Area 1: History or Government (units 0.0 - 0.0)
        HIST127 Women in U.S. History (units 3.0 - 3.0)
        POLT221 Women in American Politics   (units 3.0 - 3.0)
        Area 2: Arts and Humanities (units 0.0 - 0.0)
        ENGL278 Survey of Literature by Women (units 3.0 - 3.0)
        PHIL120 Introduction to Social and Political Philosophy (units 3.0 - 3.0)
        Area 3: Social Science (units 0.0 - 0.0)
        COMM225 Gender Communication (units 3.0 - 3.0)
        COMM225H Honors Gender Communication (units 3.0 - 3.0)
        PSYC180 Psychology of Gender (units 3.0 - 3.0)
        Area 4: Quantitative Reasoning and Research Methods (units 0.0 - 0.0)
        SOC120 Introduction to Sociological Research Methods (units 3.0 - 3.0)
        Area 5: Major Preparation (units 0.0 - 0.0)
        Any course from CORE list. May not be a course used to satisfy the CORE requirements. (units 0.0 - 0.0)
        GSWS102 Money, Sex, and Power (units 3.0 - 3.0)
 Control Number: 37133

Social Justice Studies: General, AA-T

A.A. Degree for Transfer
Unit Range for Completion: 18 – 19
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 (units 18.0 - 18.0)
All of the following
    Major Requirements: (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. (units 0.0 - 0.0)
    ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
    SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
Select three (3) courses from at least two (2) of the following areas (List A): (units 9.0 - 9.0)
The following number of units
    Area 1: History or Government (units 0.0 - 0.0)
    HIST118 Social and Cultural History of the United States (units 3.0 - 3.0)
    HIST124 Mexican American History in the United States (units 3.0 - 3.0)
    HIST127 Women in U.S. History (units 3.0 - 3.0)
    HIST132 Modern African History (units 3.0 - 3.0)
    POLT221 Women in American Politics   (units 3.0 - 3.0)
    Area 2: Arts and Humanities (units 0.0 - 0.0)
    ENGL279 Survey of Latinx Literature (units 3.0 - 3.0)
    ENGL278 Survey of Literature by Women (units 3.0 - 3.0)
    HIST152 Latin American History (units 3.0 - 3.0)
    HIST162 Asian Civilizations (units 3.0 - 3.0)
    PHIL120 Introduction to Social and Political Philosophy (units 3.0 - 3.0)
    Area 3: Social Science (units 0.0 - 0.0)
    COMM120 Intercultural Communication (units 3.0 - 3.0)
    COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
    COMM225 Gender Communication (units 3.0 - 3.0)
    COMM225H Honors Gender Communication   (units 3.0 - 3.0)
    HIST240 Introduction to Peace and Conflict Studies (units 3.0 - 3.0)
    PSYC170 Multicultural Psychology (units 3.0 - 3.0)
    PSYC180 Psychology of Gender (units 3.0 - 3.0)
    SOC286 Introduction to LGBTQ Studies (units 3.0 - 3.0)
    Area 4: Quantitative Reasoning and Research Methods (units 0.0 - 0.0)
    STATC1000 Introduction to Statistics (units 4.0 - 4.0)
    STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
    STATC1000E Introduction to Statistics (units 4.0 - 4.0)
    SOC120 Introduction to Sociological Research Methods (units 3.0 - 3.0)
    Area 5: Major Preparation (may not be a course used to satisfy the core requirements) (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. (units 0.0 - 0.0)
    ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
    SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
 Control Number: 37161

SOCIOLOGY

Sociology, AA

A.A. Degree Major
Unit Range for Completion: 18 – 20
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 (units 18.0 - 20.0)
All of the following
    Major requirements: (units 3.0 - 3.0)
    The following number of units
        SOC100 Introduction to Sociology (units 3.0 - 3.0)

SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
Select two (2) courses from the following core requirements: (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. (units 0.0 - 0.0)
    MATH219, MATH219H, and MATH219S are considered the same course. Credit will be awarded for only one of these courses. (units 0.0 - 0.0)
    STATC1000 Introduction to Statistics (units 4.0 - 4.0)
    STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
    STATC1000E Introduction to Statistics (units 4.0 - 4.0)
    SOC116 Social Problems (units 3.0 - 3.0)
    SOC120 Introduction to Sociological Research Methods (units 3.0 - 3.0)
Select two (2) courses from the following (List A): (units 6.0 - 6.0)
The following number of units
    SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    SOC130 Relationships, Marriages, and Family Dynamics (units 3.0 - 3.0)
    SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
    SOC240 Introduction to Social Psychology (units 3.0 - 3.0)
Select two (1) courses from the following (List B): (units 3.0 - 4.0)
The following number of units
    ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
    ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
    ENGLC1001 Critical Thinking and Writing (units 4.0 - 4.0)
    ENGLC1001H Critical Thinking and Writing - Honors (units 4.0 - 4.0)
    PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
    PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
    SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    SOC115 Death and Dying (units 3.0 - 3.0)
    SOC286 Introduction to LGBTQ Studies (units 3.0 - 3.0)
Control Number: 11947

Sociology, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 19 – 20.5
The Associate in Artsin Sociology for Transfer degreeis 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 (units 19.0 - 20.5)
All of the following
    Major requirements: (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. (units 0.0 - 0.0)
    Select SOC100 or SOC100H. Credit will be awarded for only one course. (units 0.0 - 0.0)
        SOC100 Introduction to Sociology (units 3.0 - 3.0)
        SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
        SOC116 Social Problems (units 3.0 - 3.0)
    Select one (1) course from the following core requirements: (units 4.0 - 4.5)
    The following number of units
        STATC1000 Introduction to Statistics (units 4.0 - 4.0)
        STATC1000H Introduction to Statistics - Honors (units 4.0 - 4.0)
        STATC1000E Introduction to Statistics (units 4.5 - 4.5)
    Select two (2) courses from the following (List A): (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. (units 0.0 - 0.0)
    PSYC 240 and SOC240/240H are considered the same course and credit will be awarded for only one course. (units 0.0 - 0.0)
    ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    SOC115 Death and Dying (units 3.0 - 3.0)
    SOC120 Introduction to Sociological Research Methods (units 3.0 - 3.0)
    SOC130 Relationships, Marriages, and Family Dynamics (units 3.0 - 3.0)
    SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
    PSYC240 Introduction to Social Psychology (units 3.0 - 3.0)
    SOC240 Introduction to Social Psychology (units 3.0 - 3.0)
    SOC240H Honors Introduction to Social Psychology (units 3.0 - 3.0)
    SOC286 Introduction to LGBTQ Studies (units 3.0 - 3.0)
Select one (1) course from the following (List B): (units 3.0 - 4.0)
The following number of units
    ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
    ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
    ENGLC1001 Critical Thinking and Writing (units 4.0 - 4.0)
    ENGLC1001H Critical Thinking and Writing - Honors (units 4.0 - 4.0)
    ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
    GSWS101 Introduction to Women's Studies (units 3.0 - 3.0)
    PSYCC1000 Introduction to Psychology (units 3.0 - 3.0)
    PSYCC1000H Introduction to Psychology - Honors (units 3.0 - 3.0)
    SOC101 Introduction to Ethnic Studies (units 3.0 - 3.0)
Control Number: 30600

SPANISH

Spanish, AA-T
A.A. Degree for Transfer
Unit Range for Completion: 18 – 25
The Associate in Arts in Spanish for Transfer degreeis designedfor students who wish to transfer to the California State University system. Successful completion of thetransfer 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 competencein the ability to understand,read, write and speakSpanish. In addition, itprovides the foundation for student toacquirea better understanding and appreciation of the Spanish language and cultures ofall Spanish speaking countries. Upon successful completion of the degree, student is also prepared to pursue a career in 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 (units 23.0 - 23.0)
All of the following
    Major Requirements: (units 5.0 - 5.0)
    The following number of units
        Rule Group (units 5.0 - 10.0)
        At least one of the following
            SPAN101 Elementary Spanish I (units 5.0 - 5.0)
            SPAN101H Honors Elementary Spanish I (units 5.0 - 5.0)
        Rule Group (units 5.0 - 5.0)
        All of the following
            SPAN101A Elementary Spanish IA (units 2.5 - 2.5)
            SPAN101B Elementary Spanish IB (units 2.5 - 2.5)
Major Requirements (Continued): (units 15.0 - 15.0)
The following number of units
    SPAN102 Elementary Spanish II (units 5.0 - 5.0)

Rule Group (units 5.0 - 10.0)
At least one of the following
SPAN110 Spanish for Spanish Speakers 1 (units 5.0 - 5.0)
SPAN201 Intermediate Spanish I (units 5.0 - 5.0)
Rule Group (units 5.0 - 10.0)
At least one of the following
SPAN111 Spanish for Spanish Speakers 2 (units 5.0 - 5.0)
SPAN202 Intermediate Spanish II (units 5.0 - 5.0)
Select one (1) course from the following (List A): (units 3.0 - 3.0)
The following number of units
SPAN194 Beginning Conversational Spanish (units 3.0 - 3.0)
SPAN195A Advanced Conversational Spanish (units 3.0 - 3.0)
SPAN195B Advanced Conversational Spanish (units 3.0 - 3.0)
SPAN213 College Spanish Composition (units 3.0 - 3.0)
If a student places out of any elementary level core course(s) and is not awarded units for that course, the student must select an additional course not taken from List A or from the approved substit (units 0.0 - 0.0)
The following number of units
ANTH100 Introduction to Cultural Anthropology (units 3.0 - 3.0)
ANTH100H Honors Introduction to Cultural Anthropology (units 3.0 - 3.0)
COMM120 Intercultural Communication (units 3.0 - 3.0)
COMM120H Honors Introduction to Intercultural Communication (units 3.0 - 3.0)
ETHN130 Introduction to Chicano Studies (units 3.0 - 3.0)
ENGL246 Survey of Chicano Literature (units 3.0 - 3.0)
ETHN101 Introduction to Ethnic Studies (units 3.0 - 3.0)
FREN101 Elementary French 1 (units 5.0 - 5.0)
GEOG100 World Regional Geography (units 3.0 - 3.0)
GEOG100H Honors World Regional Geography (units 3.0 - 3.0)
HIST124 Mexican-American History in the United States (units 3.0 - 3.0)
ITAL101 Elementary Italian I (units 5.0 - 5.0)
SOC100 Introduction to Sociology (units 3.0 - 3.0)
SOC100H Honors Introduction to Sociology (units 3.0 - 3.0)
SOC220 Introduction to Gender and Sexualities (units 3.0 - 3.0)
Control Number: 32045

SURVEY/MAPPING SCIENCES

Land Surveying, AS
A.S. Degree Major
Unit Range for Completion: 23 – 23
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 (units 23.0 - 23.0)
The following number of units
SURV118 Plane Surveying (units 4.0 - 4.0)
SURV119 Advanced Plane Surveying (units 4.0 - 4.0)
SURV205 Computer Aided Drafting Fundamentals For Surveyors (units 3.0 - 3.0)
SURV221 Advanced Problems in Surveying I (units 3.0 - 3.0)
SURV222 Advanced Problems in Surveying II (units 3.0 - 3.0)
SURV229 Legal Aspects of Land Surveying I (units 3.0 - 3.0)
SURV230 Legal Aspects of Land Surveying II (units 3.0 - 3.0)
Control Number: 11906

Land Surveying, CA
Certificate of Achievement
Unit Range for Completion: 23 – 23
The Certificate of Achievement in Land Surveyingprovides 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 (units 23.0 - 23.0)
The following number of units
SURV118 Plane Surveying (units 4.0 - 4.0)
SURV119 Advanced Plane Surveying (units 4.0 - 4.0)
SURV205 Computer Aided Drafting Fundamentals For Surveyors (units 3.0 - 3.0)
SURV221 Advanced Problems in Surveying I (units 3.0 - 3.0)
SURV222 Advanced Problems in Surveying II (units 3.0 - 3.0)
SURV229 Legal Aspects of Land Surveying I (units 3.0 - 3.0)
SURV230 Legal Aspects of Land Surveying II (units 3.0 - 3.0)
Control Number: 21668

DIGITAL MEDIA

Digital Media Production, CERT
Certificate of Proficiency
Unit Range for Completion: 15 – 15
The Certificate of Proficiency in Digital Media Production will provide students with the skills and practical experience to create digital content for employers and clients. The program introduces students to video and commercial production, non-linear editing, digital arts as well as elements associated with running a business.
Program Rules: Digital Media Production, CERT (units 15.0 - 15.0)
The following number of units
ART195 Introduction to Digital Media Arts (units 3.0 - 3.0)
CINE122 Screenwriting for Digital Media (units 3.0 - 3.0)
CINE124 Introduction to Digital Media Production (units 3.0 - 3.0)
Control Number:

Digital Media Studies, CERT
Certificate of Proficiency
Unit Range for Completion: 15 – 15
The Certificate of Proficiency in Digital Media Studies is designed to develop students' understanding of television, film and digital media arts. The program includes an overview of the historical, theoretical, economic and technological impact of the industry on society. In addition, students will gain practical experience in scriptwriting, production and post-production. Upon completion of this certificate, students may choose one of three pathways: transfer to higher education, self-employment or a career in the entertainment industry.
Program Rules: Digital Media Studies, CERT (units 15.0 - 15.0)
The following number of units
CINE103 History of Film to 1945 (units 3.0 - 3.0)
CINE104 History of Film From 1945 to Present (units 3.0 - 3.0)
CINE105 Mass Media and Society (units 3.0 - 3.0)
CINE122 Screenwriting for Digital Media (units 3.0 - 3.0)
CINE124 Introduction to Digital Media Production (units 3.0 - 3.0)
Control Number:

WATER AND WASTEWATER TECHNOLOGY

Advanced Water Treatment Operator, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12
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 (units 12.0 - 12.0)
All of the following
   Certificate Requirements: (units 12.0 - 12.0)
   All of the following
      WATR139 Water Reclamation and Reuse (units 3.0 - 3.0)
      WATR151 Wastewater Treatment (units 3.0 - 3.0)
      WATR252 Advanced Wastewater Treatment (units 3.0 - 3.0)
      WATR254 Advanced Water Treatment Operations (units 3.0 - 3.0)
  Control Number:

Wastewater Treatment, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12
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 (units 12.0 - 12.0)
The following number of units
   Certificate Requirements: (units 9.0 - 9.0)
   All of the following
      WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)
      WATR151 Wastewater Treatment (units 3.0 - 3.0)
      WATR252 Advanced Wastewater Treatment (units 3.0 - 3.0)
   Select one (1) of the following: (units 3.0 - 3.0)
   The following number of units
      WATR139 Water Reclamation and Reuse (units 3.0 - 3.0)
      WATR150 Introduction to Wastewater Treatment (units 3.0 - 3.0)
      WATR153 Collection Systems (units 3.0 - 3.0)
  Control Number:

Wastewater/Environmental Sanitation, AS
A.S. Degree Major
Unit Range for Completion: 21 – 21
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 (units 21.0 - 21.0)
All of the following
   Major requirements: (units 12.0 - 12.0)
   The following number of units
      WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)
      WATR150 Introduction to Wastewater Treatment (units 3.0 - 3.0)
      WATR151 Wastewater Treatment (units 3.0 - 3.0)
      WATR252 Advanced Wastewater Treatment (units 3.0 - 3.0)
   Select three (3) courses from the following: (units 9.0 - 9.0)
   The following number of units
      WATR136 Introduction to Water Science (units 3.0 - 3.0)
      WATR139 Water Reclamation and Reuse (units 3.0 - 3.0)
      WATR140 Water Utility Maintenance and Construction (units 3.0 - 3.0)
      WATR141 Water Distribution (units 3.0 - 3.0)
      WATR143 Electrical Wiring and Controls for Operators (units 3.0 - 3.0)
      WATR144 Pumps and Pumping (units 3.0 - 3.0)
      WATR146 Water Treatment Fundamentals (units 3.0 - 3.0)
      WATR148 Water Quality (units 3.0 - 3.0)
      WATR153 Collection Systems (units 3.0 - 3.0)
      WATR155 California Water Resources (units 3.0 - 3.0)
      WATR242 Advanced Water Distribution (units 3.0 - 3.0)
      WATR247 Advanced Water Treatment (units 3.0 - 3.0)
  Control Number: 11908

Wastewater/Environmental Sanitation, CA
Certificate of Achievement
Unit Range for Completion: 21 – 21
The Certificate of Achievement in Wastewater/Environmental Sanitation program is designed to prepare students for careers in the environmental protection field of wastewater 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 (units 21.0 - 21.0)
All of the following
   Certificate requirements: (units 12.0 - 12.0)
   The following number of units
      WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)
      WATR150 Introduction to Wastewater Treatment (units 3.0 - 3.0)
      WATR151 Wastewater Treatment (units 3.0 - 3.0)
      WATR252 Advanced Wastewater Treatment (units 3.0 - 3.0)
   Select three (3) courses from the following: (units 9.0 - 9.0)
   The following number of units
      WATR136 Introduction to Water Science (units 3.0 - 3.0)
      WATR139 Water Reclamation and Reuse (units 3.0 - 3.0)
      WATR140 Water Utility Maintenance and Construction (units 3.0 - 3.0)
      WATR141 Water Distribution (units 3.0 - 3.0)
      WATR143 Electrical Wiring and Controls for Operators (units 3.0 - 3.0)
      WATR144 Pumps and Pumping (units 3.0 - 3.0)
      WATR146 Water Treatment Fundamentals (units 3.0 - 3.0)
      WATR148 Water Quality (units 3.0 - 3.0)
      WATR153 Collection Systems (units 3.0 - 3.0)
      WATR155 California Water Resources (units 3.0 - 3.0)
      WATR242 Advanced Water Distribution (units 3.0 - 3.0)
  Control Number: 21669

Water Conservation, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12
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 (units 12.0 - 12.0)
The following number of units
   Certificate Requirements: (units 6.0 - 6.0)
   All of the following
      WATR138 Water Conservation Practitioner (units 3.0 - 3.0)
      WATR155 California Water Resources (units 3.0 - 3.0)
   Select one of the following: (units 3.0 - 3.0)
   The following number of units
      BUS090 Principles of Project Management (units 3.0 - 3.0)
      PBLC080 Principles of Project Management (units 3.0 - 3.0)
   Select one of the following: (units 3.0 - 3.0)
   The following number of units
      BUS222 Business Writing (units 3.0 - 3.0)
      MGMT122 Business Communications (units 3.0 - 3.0)
  Control Number:

Water Distribution, AS
A.S. Degree Major
Unit Range for Completion: 21 – 21
The Associateof Science degree in Water Distribution program is designed to prepare students for careers in thepublic healthfield 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 (units 21.0 - 21.0)
All of the following
   Major requirements: (units 9.0 - 9.0)
   The following number of units
      WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)
      WATR141 Water Distribution (units 3.0 - 3.0)
      WATR242 Advanced Water Distribution (units 3.0 - 3.0)
   Select four (4) courses from the following: (units 12.0 - 12.0)
   The following number of units
      WATR136 Introduction to Water Science (units 3.0 - 3.0)
      WATR138 Water Conservation Practitioner (units 3.0 - 3.0)
      WATR139 Water Reclamation and Reuse (units 3.0 - 3.0)
      WATR140 Water Utility Maintenance and Construction (units 3.0 - 3.0)
      WATR143 Electrical Wiring and Controls for Operators (units 3.0 - 3.0)
      WATR144 Pumps and Pumping (units 3.0 - 3.0)
      WATR146 Water Treatment Fundamentals (units 3.0 - 3.0)
      WATR155 California Water Resources (units 3.0 - 3.0)
  Control Number: 11907

Water Distribution, CA
Certificate of Achievement
Unit Range for Completion: 21 – 21
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 (units 21.0 - 21.0)
All of the following
   Certificate requirements: (units 9.0 - 9.0)
   The following number of units
      WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)

      WATR141 Water Distribution (units 3.0 - 3.0)
      WATR242 Advanced Water Distribution (units 3.0 - 3.0)
  Select four (4) courses from the following: (units 12.0 - 12.0)
  The following number of units
      WATR136 Introduction to Water Science (units 3.0 - 3.0)
      WATR138 Water Conservation Practitioner (units 3.0 - 3.0)
      WATR139 Water Reclamation and Reuse (units 3.0 - 3.0)
      WATR140 Water Utility Maintenance and Construction (units 3.0 - 3.0)
      WATR143 Electrical Wiring and Controls for Operators (units 3.0 - 3.0)
      WATR144 Pumps and Pumping (units 3.0 - 3.0)
      WATR146 Water Treatment Fundamentals (units 3.0 - 3.0)
      WATR155 California Water Resources (units 3.0 - 3.0)
  Control Number: 19625

Water Distribution, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12
TheCertificate of Proficiencyin 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 (units 12.0 - 12.0)
The following number of units
   Certificate Requirements: (units 9.0 - 9.0)
   All of the following
      WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)
      WATR141 Water Distribution (units 3.0 - 3.0)
      WATR242 Advanced Water Distribution (units 3.0 - 3.0)
   Select one of the following: (units 3.0 - 3.0)
   The following number of units
      WATR138 Water Conservation Practitioner (units 3.0 - 3.0)
      WATR140 Water Utility Maintenance and Construction (units 3.0 - 3.0)
  Control Number:

Water Equipment Operation and Maintenance, CERT
Certificate of Proficiency
Unit Range for Completion: 9 – 9
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 (units 9.0 - 9.0)
All of the following
   Certificate Requirements: (units 6.0 - 6.0)
   All of the following
      WATR140 Water Utility Maintenance and Construction (units 3.0 - 3.0)
      WATR145 Backflow Prevention Devices (units 3.0 - 3.0)
   Select one (1) of the following: (units 3.0 - 3.0)
   The following number of units
      WATR143 Electrical Wiring and Controls for Operators (units 3.0 - 3.0)
      WATR144 Pumps and Pumping (units 3.0 - 3.0)
      WATR153 Collection Systems (units 3.0 - 3.0)
  Control Number:

Water Treatment, AS
A.S. Degree Major
Unit Range for Completion: 21 – 21
The Associateof 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 (units 21.0 - 21.0)
All of the following
    Major requirements: (units 12.0 - 12.0)
    The following number of units
        WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)
        WATR146 Water Treatment Fundamentals (units 3.0 - 3.0)
        WATR148 Water Quality (units 3.0 - 3.0)
        WATR247 Advanced Water Treatment (units 3.0 - 3.0)
    Select three (3) courses from the following: (units 9.0 - 9.0)
    The following number of units
        WATR136 Introduction to Water Science (units 3.0 - 3.0)
        WATR138 Water Conservation Practitioner (units 3.0 - 3.0)
        WATR139 Water Reclamation and Reuse (units 3.0 - 3.0)
        WATR140 Water Utility Maintenance and Construction (units 3.0 - 3.0)
        WATR141 Water Distribution (units 3.0 - 3.0)
        WATR143 Electrical Wiring and Controls for Operators (units 3.0 - 3.0)
        WATR144 Pumps and Pumping (units 3.0 - 3.0)
        WATR145 Backflow Prevention Devices (units 3.0 - 3.0)
        WATR149 Water Quality Laboratory Analysis (units 3.0 - 3.0)
        WATR150 Introduction to Wastewater Treatment (units 3.0 - 3.0)
        WATR155 California Water Resources (units 3.0 - 3.0)
        WATR242 Advanced Water Distribution (units 3.0 - 3.0)
  Control Number: 19623

Water Treatment, CA
Certificate of Achievement
Unit Range for Completion: 21 – 21
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 (units 21.0 - 21.0)
All of the following
    Certificate requirements: (units 12.0 - 12.0)
    The following number of units
        WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)
        WATR146 Water Treatment Fundamentals (units 3.0 - 3.0)
        WATR148 Water Quality (units 3.0 - 3.0)
        WATR247 Advanced Water Treatment (units 3.0 - 3.0)
    Select three (3) courses from the following: (units 9.0 - 9.0)
    The following number of units
        WATR136 Introduction to Water Science (units 3.0 - 3.0)
        WATR138 Water Conservation Practitioner (units 3.0 - 3.0)
        WATR139 Water Reclamation and Reuse (units 3.0 - 3.0)
        WATR140 Water Utility Maintenance and Construction (units 3.0 - 3.0)
        WATR141 Water Distribution (units 3.0 - 3.0)
        WATR143 Electrical Wiring and Controls for Operators (units 3.0 - 3.0)
        WATR144 Pumps and Pumping (units 3.0 - 3.0)
        WATR145 Backflow Prevention Devices (units 3.0 - 3.0)
        WATR149 Water Quality Laboratory Analysis (units 3.0 - 3.0)
        WATR150 Introduction to Wastewater Treatment (units 3.0 - 3.0)
        WATR155 California Water Resources (units 3.0 - 3.0)
        WATR242 Advanced Water Distribution (units 3.0 - 3.0)
  Control Number: 19624

Water Treatment, CERT
Certificate of Proficiency
Unit Range for Completion: 12 – 12
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 (units 12.0 - 12.0)
All of the following
    Certificate Requirements: (units 12.0 - 12.0)
    All of the following
        WATR137 Water Mathematics and Hydraulics (units 3.0 - 3.0)
        WATR146 Water Treatment Fundamentals (units 3.0 - 3.0)
        WATR247 Advanced Water Treatment (units 3.0 - 3.0)
        WATR148 Water Quality (units 3.0 - 3.0)
  Control Number:

Water Utility Management, AS
A.S. Degree Major
Unit Range for Completion: 21 – 21
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 (units 21.0 - 21.0)
All of the following
    Major Requirements: (units 6.0 - 6.0)
    The following number of units
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
        WATR156 Water Utility Management (units 3.0 - 3.0)
        WATR 156 is a required course. Select between BUS222 or MGMT122 to complete the required six (6) units. (units 0.0 - 0.0)
    List A - Requirements (units 9.0 - 9.0)
    The following number of units
        BUS090 Principles of Project Management (units 3.0 - 3.0)
        CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
        MGMT135 Human Resource Management (units 3.0 - 3.0)
        PBLC080 Principles of Project Management (units 3.0 - 3.0)
        BUS090 and PBLC080 are considered the same course. Credit will be awarded for only one course. (units 0.0 - 0.0)
    List B - Electives (units 6.0 - 6.0)
    The following number of units
        BUS121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
        MGMT121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
        WATR148 Water Quality (units 3.0 - 3.0)
        WATR155 California Water Resources (units 3.0 - 3.0)
        BUS121 and MGMT121 are considered the same course. Credit will be awarded for only one course. (units 0.0 - 0.0)
  Control Number: 44459

Water Utility Management, CA
Certificate of Achievement
Unit Range for Completion: 15 – 15
The Certificate of Achievement in Water Utility Management programprovides 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 (units 15.0 - 15.0)
All of the following
    Certificate Requirements: (units 6.0 - 6.0)
    The following number of units
        BUS222 Business Writing (units 3.0 - 3.0)
        MGMT122 Business Communications (units 3.0 - 3.0)
        WATR156 Water Utility Management (units 3.0 - 3.0)
        WATR156 is a required course. Select between BUS222 or MGMT122 to complete the required six (6) units. (units 0.0 - 0.0)
    List A - Requirements (units 6.0 - 6.0)
    The following number of units
        BUS090 Principles of Project Management (units 3.0 - 3.0)
        CIS101 Introduction to Microsoft Office (units 3.0 - 3.0)
        PBLC080 Principles of Project Management (units 3.0 - 3.0)
        BUS090 and PBLC080 are considered the same course. Credit will be awarded for only one course. (units 0.0 - 0.0)
    List B - Electives (units 3.0 - 3.0)
    The following number of units
        BUS121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
        MGMT121 Human Relations and Organizational Behavior (units 3.0 - 3.0)
        MGMT135 Human Resource Management (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 of Enrollment: None
Lecture Hours:36
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:72
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 of Enrollment: None
Lecture Hours:72
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 of Enrollment: None
Lecture Hours:36
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 of Enrollment: None
Lecture Hours: 36
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
Requisites: Prerequisite: ACCT102, Managerial Accounting

AMERICAN COLLEGE ENGLISH

ACE091
Improving Oral Expression and Pronunciation
Units: 2

Students will improve pronunciation of individual sounds, word stress, intonation and connected speechthrough dialogues, conversations, and presentations. Emphasis is on clarity of expression through control of word endings, thought group patterns, and targeted sounds.
Former Title: ACE N81, Improving Pronunciation (Fall 2019)
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 36
Requisites: None

ACE094
Academic Listening and Speaking 1
Units: 2

Intermediate level students expand their speaking skills in English. They will practice different types of speaking tasks such as expressing and supporting opinions, restating what others have said, and paraphrasing what they have heard or read. This course also strengthens students' vocabulary and critical thinking skills.
Former Title: ACE 053, Expanding Academic Speaking Skills (Fall 2019)
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 36
Requisites: None

ACE095
Academic Listening and Speaking 2
Units: 2

High-intermediate speaking and listening skills course. Students will increase their ability to understand and summarizelonger lectures, engage in group discussions and do effective presentations. Lab and online research may be required for some assignments.
Former Title: ACE 093, Refining Academic Speaking Skills (Fall 2019)
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 36
Requisites: Advisory: ACE102, Refining Academic Writing and Reading Concurrent enrollment in ACE 102 is strongly advised. ACE 102 will be ACE 106 in Fall 2020.

ACE104
Academic Reading and Writing 1
Units: 4.5

Intermediate students expand their skills in grammar and in writing paragraphs. This course also strengthens students' vocabulary, reading and critical thinking skills. Laboratory is required and includes class assignments, individualized work and writing conferences with the instructor. Lab is part of the scheduled class meeting hours.
Former Title: ACE 052, Expanding Academic Writing and Reading (Fall 2019)
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 72
Lab Hours: 36
Requisites: None

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 level. They also refine their grammar, vocabulary, reading and critical thinking skills. Lab is required and is part of the scheduled class meeting hours.

Former Title: ACE 102, Refining Academic Writing and Reading (Fall 2019)
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 72
Lab Hours: 36
Requisites: Prerequisite: ACE104, Academic Reading and Writing 1;
ACE 052 will be ACE 104 in Fall 2020
AND
Advisory: ACE095, Academic Listening and Speaking 2
Concurrent enrollment. ACE 093 will be ACE 095 in Fall 2020.

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 includes class assignments, individualized work and writing conferences with the instructor. Lab is part of the scheduled classmeeting hours.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 72
Lab Hours: 36
Requisites: Prerequisite: ACE106, Academic Reading and Writing 2
ACE 102 will become ACE 106 in Fall 2020

AMERICAN SIGN LANUAGE

ASL110
American Sign Language I
Units: 4

Thisentry-levelcourse 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 of 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 of 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 72
Lab Hours: 18
Requisites: Prerequisite: ASL111, American Sign Language II

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 of Enrollment: None
Lecture Hours: 54
Requisites: None

ANTHROPOLOGY

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 of Enrollment: None
Lecture Hours: 54
Requisites: None

ANTH101
Introduction to Physical Anthropology
Units: 3

An introduction to humankind's 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 of Enrollment: None
Lecture Hours: 54
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 of 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
Requisites: None

ART101
Survey of Western Art History I: Prehistory Through the Middle Ages
Units: 3

The study of art and architecture from Prehistory through the Middle Ages. Cultures and civilizations are studied through visual imagery, lectures, class discussion, reading, and research. Students are required to independently visit an art museum. Field trips may also be required.
Transferability: Transferable to both UC and CSU

Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGLI00, Freshman Composition with Integrated Support OR Advisory: ENGLC1000. Academic Reading and Writing OR Advisory: ENGLC1000H, Academic Reading and Writing - Honors

ART101H
Honors Survey of Western Art History I: Prehistory Through the Middle Ages
Units: 3
Enriched exposure to a study of art and architecture from Prehistory through the Middle Ages with an emphasis on critical thinking and writing. Cultures and civilizations are studied through visual imagery, lectures, class discussion, reading, and research. 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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGLC1000, Academic Reading and Writing Previous or concurrent enrollment OR Advisory: ENGLC1000H, Academic Reading and Writing - Honors Previous or concurrent enrollment OR Advisory: ENGLI00, Freshman Composition with Integrated Support Previous or concurrent enrollment

ART102
Survey of Western Art History II: Renaissance Through the Twentieth Century
Units: 3
The study of Western art history from the Renaissance through the 20th century. Art movements and individual painters, sculptors, architects and printmakers will be presented within the context of the social, political and intellectual histories of their respective periods. 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: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGLI00, Freshman Composition with Integrated Support OR Advisory: ENGLC1000, Academic Reading and Writing OR Advisory: ENGLC1000H, Academic Reading and Writing - Honors

ART102H
Honors Survey of Western Art History II: Renaissance Through the Twentieth Century
Units: 3
The study of Western art history from the Renaissance through the 20th century. Art movements and individual painters, sculptors, architects and printmakers will be presented within the context of the social, political and intellectual histories of their respective periods. 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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGLC1000
Academic Reading and Writing, Previous or concurrent enrollment OR Advisory: ENGLC1000H, Academic Reading and Writing - Honors Previous or concurrent enrollment OR Advisory: ENGLI00, Freshman

Composition with Integrated Support Previous or concurrent enrollment

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 of Enrollment: Course Family = A combination of Art 110 and 111 may be taken a maximum of four enrollments.
Lecture Hours:36
Lab Hours:72
Requisites: None

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 of Enrollment: Course Family = A combination of Art 110 and 111 may be taken a maximum of four enrollments.
Lecture Hours:36
Lab Hours:72
Requisites: None

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 of Enrollment: Course Family = A combination of Art 122 and 221 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 128 and 228 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 129, 159, 229 and 259 may be taken a maximum of four enrollments.
Lecture Hours:54
Lab Hours:18
Requisites: None

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 of Enrollment: Course Family = A combination of Art 130, 230, 233 and 250 may be taken a maximum of four enrollments.
Lecture Hours:36
Lab Hours:72
Requisites: None

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 of Enrollment: Course Family = A combination of Art 131, 231 and 232 may be taken a maximum of four enrollments.
Lecture Hours:36
Lab Hours:72
Requisites: Advisory: ART130, Introduction to Drawing

ART141
Beginning Painting
Units: 3

Introduction to acrylic and/or oil 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 of Enrollment: Course Family = A combination of Art 141, 241 and 242 may be taken a maximum of four enrollments.
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 includingbasic camera functions, natural and artificial lighting, computer imaging, andimage editing techniques. Aesthetics and concepts of digital photography will be analyzedin 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 of Enrollment: Course Family = A combination of Art 149, 195 and 249 may be taken a maximum of four enrollments.
Lecture Hours:54
Lab Hours:18
Requisites: None

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 of Enrollment: Course Family = A combination of Art 149, 195 and 249 may be taken a maximum of four enrollments.
Lecture Hours:54
Lab Hours:18
Requisites: None

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 of Enrollment: Course Family = A combination of Art 122 and 221 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 128 and 228 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 129, 159, 229 and 259 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 130, 230, 233 and 250 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 131, 231 and 232 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 131, 231 and 232 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 130, 230, 233 and 250 may be taken a maximum of four enrollments.
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 of Enrollment: A combination of Art 141, 241 and 242 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Art 141, 241 and 242 may be taken a maximum of four enrollments.
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 subjectsincluding 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 of Enrollment: Course Family = A combination of Art 149, 195 and 249 may be taken a maximum of four enrollments.
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. Field trips are required.

Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: A combination of Art 130, 230, 233 and 250 may be taken a maximum of four enrollments.
Lecture Hours:36
Lab Hours:72
Requisites: None

ASTRONOMY

ASTR100L
Astronomy Laboratory
Units: 1

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.
Previous Title: Astronomy 140, Astronomy Laboratory (2017)
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:0
Lab Hours:54
Requisites: Prerequisite: ASTR102, Introduction to Stars and Galaxies or concurrent enrollment
OR
Prerequisite: ASTR103, Introduction to the Solar System or concurrent enrollment
OR
Prerequisite: ASTR104, Introduction to Cosmology or concurrent enrollment

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

BIOLOGY

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 of Enrollment: None
Lecture Hours:0
Lab Hours:162
Requisites: None

BIOL109
Fundamentals of Biology
Units: 3

Principles of biology stressing the relationship of all organisms from anatomical, physiological and ecological points of view. Includes cell machinery, genetics, reproduction, embryology, animal behavior, botany, ecology, evolution and human physiology. Designed for non-biology majors.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Advisory: BIOL109L , Fundamentals of Biology Laboratory or concurrent enrollment OR Advisory: BIOL109HL , Honors Fundamentals of Biology Laboratory or concurrent enrollment

BIOL109H
Honors Fundamentals of Biology
Units: 3

Traditional Biology enriched in breadth and depth by extensive outside reading assignments and guest lecture presentations. Emphasis is on individual preparation for discussion and analysis of pertinent topics using critical oral and written expression. Designed for non-biology 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 of Enrollment: None
Lecture Hours:54

Requisites: Advisory: BIOL109L , Fundamentals of Biology Laboratory Concurrent Enrollment OR Advisory: BIOL109HL , Honors Fundamentals of Biology Laboratory Concurrent Enrollment

BIOL109HL
Honors Fundamentals of Biology Laboratory
Units: 1

Hands-on laboratory experiments to identify and illustrate significant organisms and their structures. Emphasis is placed on the relationship of all organisms from an anatomical, physiological, and ecological framework. Content correlates to Biology 109/109H lecture material. Field trips required.
Transferability: Transferable to both UC and CSU
Entrance Skills: A high school or college GPA of 3.0 or above
Limitations of Enrollment: None
Lecture Hours:0
Lab Hours:54
Requisites: Prerequisite: BIOL109, Fundamentals of Biology or concurrent enrollment OR Prerequisite: BIOL109H , Honors Fundamentals of Biology or concurrent enrollment

BIOL109L
Fundamentals of Biology Laboratory
Units: 1

Laboratory experiments to identify and illustrate significant organisms and their structures. Emphasis is placed on the relationship of all organisms from an anatomical, physiological, and ecological framework. Content correlates to Biology 109/109H lecture material. Field trips required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:0
Lab Hours:54
Requisites: Prerequisite: BIOL109, Fundamentals of Biology or concurrent enrollment OR Prerequisite: BIOL109H , Honors Fundamentals of Biology or concurrent enrollment

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 of 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 of 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 of Enrollment: None
Lecture Hours:54
Lab Hours:54
Requisites: Advisory: BIOL109, Fundamentals of Biology OR Advisory: BIOL109H , Honors Fundamentals of Biology OR Advisory: BIOL149, 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 of 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:0
Lab Hours:54
Requisites: Co-Requisite: BIOL190, Introduction to Biotechnology

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; utilizationof 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 of Enrollment: None
Lecture Hours:54
Lab Hours:54
Requisites: None

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 of 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 of 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 of Enrollment: None
Lecture Hours:36
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, andfood contaminants including microorganismsare presented. Illnesses known to result from ingestion of contaminated foods are discussed.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:36
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
This is an Internship of supervised paid or unpaidwork 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 maximumof 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 of Enrollment: None
Lecture Hours:0
Lab Hours:60
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 of 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 of Enrollment: None
Lecture Hours:54
Lab Hours:108
Requisites: Prerequisite: CHEM200A, General Chemistry A OR Prerequisite: 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 of Enrollment: None
Lecture Hours:54
Lab Hours:54
Requisites: Advisory: BIOL211, Cellular and Molecular Biology

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 of Enrollment: None
Lecture Hours:54
Lab Hours:54
Requisites: Advisory: BIOL211, Cellular and Molecular Biology

BIOL221
Animal Diversity and Evolution
Units: 5
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 with an emphasis on 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 of Enrollment: None
Lecture Hours:54
Lab Hours:108
Requisites: 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 of 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

BIOL231
Plant Diversity and Ecology
Units: 5
This course is intended for biology majors and surveys the diversity, structure, function and taxonomy of the kingdoms Protista, Fungi, and Plantae. Topics include development, morphology, physiology, taxonomy and systematics, and the principles of population, community, and ecosystem ecology. Field trips required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None

Lecture Hours: 54
Lab Hours: 108
Requisites: Advisory: BIOL211, Cellular and Molecular Biology

BIOL239
General Human Anatomy
Units: 4

Structure of the human body. Systems, organs, and tissues are studied from human skeletons, models, charts, slides, andcomputer 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 of 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 of Enrollment: None
Lecture Hours: 54
Lab Hours: 54
Requisites: Advisory: BIOL211, Cellular and Molecular Biology AND Advisory: ENGL100, Freshman Composition with Integrated Support 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 of 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 of 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 of Enrollment: None
Lecture Hours: 54
Lab Hours: 108
Requisites: Prerequisite: BIOL211, Cellular and Molecular Biology AND Prerequisite: CHEM100, Introductory Chemistry

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 of Enrollment: None
Lecture Hours: 54
Requisites: Anti-Requisite: PBLC080, Principles of 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 of Enrollment: None
Lecture Hours: 54
Requisites: None

BUS103
Work Experience Education - Occupational
Units: 1

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 of Enrollment: None
Lecture Hours:0
Lab Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

BUS130
Personal Finance
Units: 3
This course is an integrative approach to personal finance focusing on practical financial decision making aswell as the social, psychological, and physiological contexts in which those decisions are made. Students willexamine their relationships with money, set personal goals, and develop a plan to meet those goals. Topicsinclude consumerism, debt, healthcare, investing, retirement, long-term care, disability, death, and taxes.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: BUS170, Principles of Small Business Management. Concurrent enrollment

BUS175
Online 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 of Enrollment: None
Lecture Hours: 54
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 today's high-tech, international business environment. Designed for students transferring to a university.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR 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 of Enrollment: None
Lecture Hours: 54
Lab Hours: 54
Requisites: None

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 of Enrollment: None
Lecture Hours: 54
Lab Hours: 108
Requisites: Prerequisite: CHEM100, Introductory Chemistry Or Passing Score on the Chemistry Placement Test

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 of Enrollment: None
Lecture Hours: 54
Lab Hours: 108
Requisites: Prerequisite: CHEM100 Introductory Chemistry Or Passing Score on the Chemistry Placement Test

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 of 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 of 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 of Enrollment: None
Lecture Hours:54
Lab Hours:108
Requisites: Prerequisite: CHEM280A, Organic Chemistry A

CHILD DEVELOPMENT

CDEV107
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 Psychology 157.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Anti-Requisite: PSYC157, Introduction to Child Psychology

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54

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 children's 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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: CDEV107, Child Growth and Development (DS1) AND Prerequisite: CDEV108, Observation and Assessment for Early Learning and Development (DS3)

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: CDEV107, Child Growth and Development (DS1) AND Prerequisite: CDEV108, Observation and Assessment for Early Learning and Development (DS3) AND Prerequisite: CDEV111A, Principles and Practices of Teaching Young Children. Previously or concurrently enrolled

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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: CDEV107 Child Growth and Development (DS1)

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours: 54
Requisites: None

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 of Enrollment: None
Lecture Hours: 54
Requisites: Advisory: CDEV215, Administration I: Programs in Early Childhood Education (DS6)

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 of Enrollment: None
Lecture Hours: 54
Requisites: None

CDEV218
Visual Art Experiences for Early Learning Environments
Units: 3

Introduction to the visual arts domain of the California Preschool Learning Foundations and Frameworks including artistic expression and response, and skills using various art media. Emphasizes the child's ability (ages 2 through 8 years) to represent and expressively use art mediums and techniques. Includes theoretical, as well as, practical applications and explores the role of adults in fostering creativity. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required and/or professional development units for Child Development Permit holders, preschool, 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 of Enrollment: None
Lecture Hours: 54
Requisites: None

CDEV221
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 Apprenticeship Child Development 221.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 54
Requisites: None

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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54

Requisites: Advisory: CDEV107, Child Growth and Development (DS1) 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None

Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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)

CDEV298A
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: None
Limitations of Enrollment: None
Lecture Hours:36
Lab Hours:81
Requisites: Prerequisite: CDEV110, Child, Family and Community (DS2) AND Prerequisite: CDEV111B, Introduction to Curriculum for Young Children AND Prerequisite: CDEV112, Health, Safety and Nutrition for Children AND Prerequisite: CDEV221, Living and Teaching in a Diverse Society

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 of 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 of 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
Cooperative Work Experience Education
Units: 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. 75 hours of paid work or 60 hours of unpaid 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.Open Entry/Open Exit
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:0
Lab Hours:300
Requisites: None

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 of 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 of 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54

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 of Enrollment: None
Lecture Hours: 54
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 director's work (instructor's choice) throughout the course of the semester, focusing specifically on technical, thematic and socio-cultural similarities that span the director's career. Students will be expected to articulate specific insights into the director's 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
Requisites: None

CINE122

Screenwriting for Digital Media
Units: 3
Writing scripts for digital media. Scriptwriting fundamentals, format, dramatic structure; and applying skills to use in the form of non-narrative and narrative scripts for clients and employers.
Previous Title: TV/Video Communications 122, Screenwriting for Digital Media (2018)
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 54
Requisites: None

CINE124
Introduction to Digital Media Production
Units: 3
This course introduces Digital Single Lens Reflex (DSLR) video acquisition, dual channel audio acquisition, lighting and non-linear digital editing equipment. Students will use professional procedures from pre-production through post-production to develop, produce and execute to completion various commercial and industrial video formats applicable to digital production.
Previous Title: TV/Video Communications 124, Introduction to Digital Media Production (2018)
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of 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 of Enrollment: None
Lecture 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: CINE150A, Film/TV Producing I

COMMUNICATION

COMM100
Introduction to Interpersonal Communication
Units: 3
Introduction to communication skills of listening, perception, language usage, non-verbal communication, and conflict management; emphasizing methods of overcoming barriers to effective communication in interpersonal relationships.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGL100, Freshman Composition with Integrated Support OR
Advisory: ENGL101, Freshman Composition
OR Advisory: ENGL101H , Honors Freshman Composition

COMM100H
Honors Introduction to Interpersonal Communication
Units: 3
Enriched approach for honors students.Highly interactive seminar mode of instruction.Stresses the development of analytical thinking, writing, and speaking skills.An introduction to communication skills of listening, perception, language usage, non-verbal communication, and conflict management, emphasizing methods of overcoming barriers to effective communication in interpersonal relationships.
Transferability: Transferable to both UC and CSU
Entrance Skills: A high school or college GPA of 3.0 or above
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGL100, Freshman Composition with Integrated Support OR Advisory: ENGL101, Freshman Composition
OR Advisory: ENGL101H , Honors Freshman Composition

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 of Enrollment: None
Lecture Hours:54
Requisites: None

COMM111
Argumentation and Debate

Units: 3
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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGL100, Freshman Composition with Integrated Support OR Advisory: ENGL101, Freshman Composition OR Advisory: ENGL101H , Honors Freshman Composition

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 andcrosscultural communication.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of 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 of Enrollment: None

Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: COMM100, Introduction to Interpersonal Communication OR Advisory: COMM100H , Honors Introduction to Interpersonal Communication OR Advisory: COMM101, Group Dynamics OR Advisory: COMMC1000, 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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: COMM100, Introduction to Interpersonal Communication OR Advisory: COMM100H, Honors Introduction to Interpersonal Communication OR Advisory: COMM101, Group Dynamics OR Advisory: COMM110, Public Speaking OR Advisory: COMM111, Argumentation and Debate

COMM230
Advanced Forensics Team
Units: 4
This course is designed to prepare students to participateat 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 mentoringand coaching novice members. Students are required to participate in off-campus forensics events.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of 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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:27
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 of Enrollment: None
Lecture Hours:54
Requisites: None

CIS110
Introduction to Microsoft Project
Units: 3

Provides basic knowledge of how to plan a project, identifyand create tasks, estimate workloads and duration,setup project schedules, maintainthe 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
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 designtechniques utilizing structured and object-oriented methodologies will be emphasized.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None

Lecture Hours:54
Lab Hours:18
Requisites: None

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 of Enrollment: None
Lecture Hours:54
Lab Hours:18
Requisites: Prerequisite: CMPR120, Introduction to Programming

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 of Enrollment: None
Lecture Hours:72
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: MATH140, College Algebra OR Advisory: STATC1000, Introduction to Statistics OR Advisory: STATC1000H, Introduction to Statistics OR Advisory: STATC1000E, Introduction to Statistics OR Advisory: MATH105, Mathematics for Liberal Arts Students AND Prerequisite: CMPR122, Programming Concepts and Methodology I

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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: CMPR122, Programming Concepts and Methodology I

CMPR157
Introduction to Robotics
Units: 3
Introduction to Robotics Programming using the LEGO Mindstorms platform. Basic mechanical, electronics, and control issues in Roboticsare discussed, including the design and implementation of robotic systems. Students program a robotusing 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 of Enrollment: None
Lecture Hours:54
Requisites: None

CMPR213
C# Programming
Units: 3
Study of C# programming. Topics covered include the .NET environment, object-oriented programming, relational databases, and creation ofgraphical user interfaces.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of 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 of 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 of 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 of 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 of Enrollment: None
Lecture Hours: 9-162
Lab Hours: 0-226.8
Requisites: None

COUNSELING

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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 18
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 of Enrollment: None
Lecture Hours: 36
Requisites: None

CNSL111
Learning Skills Development
Units: 1
Application of educational/psychological principles in the development of effective learning skills for college courses. Topics alsoinclude 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 of Enrollment: None
Lecture Hours: 18
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 culturalsensitivity, 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 of Enrollment: None
Lecture Hours:36
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 of Enrollment: None
Lecture Hours:54

Requisites: None

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:18
Requisites: Prerequisite: CNSL150, Introduction to Social Work and Human Services AND Prerequisite: PSYCC1000, Introduction to Psychology OR Prerequisite: PSYCC1000H, Introduction to Psychology - Honors OR Prerequisite: SOC100, Introduction to Sociology OR Prerequisite: SOC100H, 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 of Enrollment: None
Lecture Hours:0
Lab Hours:108
Requisites: Prerequisite: CNSL150, Introduction to Social Work and Human Services AND Prerequisite: PSYCC1000, Introduction to Psychology OR Prerequisite: PSYCC1000H, Introduction to Psychology - Honors OR Prerequisite: SOC100, Introduction to Sociology OR Prerequisite: SOC100H, Honors Introduction to Sociology

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 of Enrollment: None
Lecture Hours:54
Requisites: None

CNSL198
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. Questions explored in this course include, how as a society do we provide help in ways that are empowering and authentic for those being helped and what are the 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, students will develop a personal philosophy of helping that is critical and reflective.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: Course Family = A combination of Dance 106A and 106B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 106A and 106B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 108A and 108B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 108A and 108B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 115A and 115B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 115A and 115B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 119A and 119B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 119A and 119B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 204A and 204B may be taken a maximum of four enrollments.
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 onchoreography tocreate 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 of 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 of 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 of Enrollment: Course Family = A combination of Dance 250A, 250B, and 251 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Dance 250A, 250B, and 251 may be taken for a maximum of four enrollments.
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 techniqueand 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 of Enrollment: Course Family = A combination of Dance 250A, 250B, and 251 may be taken a maximum of four enrollments.
Lecture Hours:18
Lab Hours:54
Requisites: Advisory: DNCE250B, Hip-Hop Dance II Successfully completion with a minimum grade of C

EARTH SCIENCES

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 may be required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours:54
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 may be required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = 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: 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 may be required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
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 may be 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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours:54
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 may be 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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
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 may be required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours:54
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 may be required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours:54
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 may be required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours:54
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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours:18
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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 18
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 of Enrollment: Course Family = 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: 180
Requisites: Advisory: ERTH100, Physical Geology AND Advisory: ERTH100L, Physical Geology Laboratory

ECONOMICS

ECON101
Principles/Micro
Units: 3
Introduction to microeconomics, including basic economic concepts, analysis of markets, efficiency,consumer and firm behavior, industry structures, market failure, and resource markets. For economics, business, and certain engineering and computer science majors.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 54
Requisites: None

ECON102
Principles/Macro
Units: 3
Introduction to macroeconomics, including basic economic concepts, analysis of markets, national income accounting, employment, inflation, short-run business cycle fluctuations, long-run growth trends, monetary and fiscal policies, and international economic issues. Intended for economics, business, and certain engineering/computer science majors.
Transferability: Transferable to both UC and CSU

Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season, or conditioning course per academic year.
Lecture Hours: 54
Requisites: None

EDUCATION

EDUC101
American Schools and Society
Units: 3
Introduction to the historical, sociological and psychological goals of American schools as a social/political institution. Topicsinclude equality of educational opportunity; student diversity and multicultural education;economic, societal andpolitical influences; teacher roles and responsibilities; curriculum standards;and the globalization of education.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 54
Requisites: Advisory: ENGL100, Freshman Composition with Integrated Support OR 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 gradesK-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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 54
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 K-8 classrooms, tutoring centers, and/or after school programsto apply strategies and gain experience tutoring and working with school-age children.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or

conditioning course per academic year.
Lecture Hours: 18
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 K-12 school settings; explores instructional methods for teaching, historical andphilosophical foundations of the American education system, contemporary educational issues, California's curriculum standards and teacher performance standards.Students participate in 45 hours of structuredobservationin an elementary classroom in cooperation with a certificated classroom teacher.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 54
Requisites: Advisory: EDUC101, American Schools and Society
AND
Advisory: ENGL100, Freshman Composition with Integrated Support
OR
Advisory: ENGL101, Freshman Composition
OR
Advisory: ENGL101H , Honors Freshman Composition

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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 54
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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.

Lecture Hours: 54
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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 54
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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 54
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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours: 54

Credit Courses

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 requirementas a state-certified trainingcourse. Open Entry/Open Exit
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:35
Lab Hours:45
Requisites: Prerequisite: ELCT048, General Electrician 8

ELCT050
General Electrician 10
Units: 3

instruction in jobsite management and photovoltaic systems. Meets the requirementas a state-certified trainingcourse. Open Entry/Open Exit
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of Enrollment: None
Lecture Hours:20
Lab Hours:10
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 of 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 of Enrollment: None
Lecture Hours:48
Lab Hours:18
Requisites: None

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. Lab 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 of Enrollment: None
Lecture Hours:48
Lab Hours:18
Requisites: None

ENGINEERING

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: MATH185, Single Variable Calculus II 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 Newton's 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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGR220, Statics

Credit Courses

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 of 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

ENGL100
Freshman Composition with Integrated Support
Units: 4.5

This course is designed for students who want to develop competence in college-level composition through extended instruction and practice. Students read, analyze, discuss, and think critically using various sources in order to compose in a variety of academic, professional, and civic contexts, including digital environments. Additional hours in the Writing Center are required for practice in refining sentence skills, grammar, research, study habits, and reading strategies.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Lab Hours:36
Requisites: Prerequisite: ACE116, Introduction to Academic Composition

ENGL102
Literature and Composition
Units: 4

A second semester course in composition and literature that uses literature to develop critical thinking skills with extensive readings selected from the four major genres.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

ENGL102H
Honors Literature and Composition
Units: 4

An enriched approach designed for honors students. A second semester course in composition and literature that uses literature to develop critical thinking skills with extensive readings selected from the four major genres.
Transferability: Transferable to both UC and CSU
Entrance Skills: A high school or college GPA of 3.0 or above

Limitations of Enrollment: None
Lecture Hours:72
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support
OR Prerequisite: ENGL101, Freshman Composition OR
Prerequisite: ENGL101H, Honors Freshman Composition

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

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.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

ENGL241
Survey of American Literature, 1600-1865
Units: 3
This course provides a survey of America's 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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

ENGL242
Survey of American Literature, 1865-Present
Units: 3
The course provides a survey of America's greatest works of literature and their contributions to the American culture from 1865 to present, emphasizingthe relationship between literary and intellectual history.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

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 of Enrollment: None

Lecture Hours:54
Requisites: Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition OR Prerequisite: ENGL100, Freshman Composition with Integrated Support

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR 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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGLC1000, Academic Reading and Writing OR Prerequisite: ENGLC1000H, Academic Reading and Writing - Honors OR Prerequisite: ENGL100, Freshman Composition with Integrated Support

ENGL278
Survey of Literature by Women
Units: 3
An 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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H , Honors Freshman Composition

ENGL279
Survey of Latinx Literature
Units: 3
Examines Latinx literary movements of the largest racial-ethnic minority in the United States. Studies the historical, sociopolitical, and cultural concerns of Latinx 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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support
OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

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 of Enrollment: None
Lecture Hours: 54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGLC1000, Academic Reading and Writing OR Prerequisite: ENGLC1000H, Academic Reading and Writing - Honors

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 of Enrollment: None
Lecture Hours: 72
Requisites: "Prerequisite: Placement as determined by the college's multiple measures assessment process OR
Prerequisite: ACE116, Introduction to Academic Composition

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 of Enrollment: None
Lecture Hours: 72
Requisites: "Prerequisite: Placement as determined by the college's multiple measures assessment process OR
Prerequisite: ACE116, Introduction to Academic Composition

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 of Enrollment: None
Lecture Hours: 72
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 of Enrollment: None
Lecture Hours: 72
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

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 of Enrollment: None
Lecture Hours: 54
Requisites: Anti-Requisite: SOC101, Introduction to Ethnic Studies

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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None

Lecture Hours: 54
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 of 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 of 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 of Enrollment: None
Lecture Hours: 54
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 of 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 of 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 of 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 of 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 of Enrollment: None
Lecture Hours:0
Lab Hours:54
Requisites: None

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 of 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

GENDER, SEXUALITY, AND WOMEN'S 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: Women's Studies 101, Introduction to Women's Studies (2018)

Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

Santiago Canyon College

GSWS102
Money, Sex, and Power
Units: 3
Examination of women's 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: Women's Studies 102, Women in America: Work, Family, Self (2018)
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:0
Lab Hours:54
Requisites: Prerequisite: GEOG101, Physical Geography or concurrent enrollment OR Prerequisite: GEOG101H, Honors Physical Geography

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

of Enrollment: None
Lecture Hours: 54
Requisites: None

GEOG102H
Honors Cultural Geography
Units: 3
An enriched and intensive study, including seminar approach with individual written and oral presentations onthe 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 of Enrollment: None
Lecture Hours: 54
Requisites: None

GEOG130
Introduction to Weather and Climate
Units: 3
This course examines Earth's 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 of Enrollment: None
Lecture Hours: 54
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 Earth's 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 of Enrollment: None
Lecture Hours: 54
Requisites: None

GEOG140
California Geography
Units: 3
A thematic approach to California's 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of 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 of Enrollment: None
Lecture Hours: 18
Requisites: None

Santiago Canyon College

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 of Enrollment: None
Lecture Hours:18
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

HIST120
The United States to 1877
Units: 3
Examines the major political, economic, intellectual, and social forces shaping American life from the colonial period through Reconstruction. Credit will not be given to students who already earned credit for History 122.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

Credit Courses

HIST120H
Honors The United States to 1877
Units: 3
Seminar-style, content-enriched course for honors students that examines major political, economic, intellectual, and social forces shaping American life from the colonial period through Reconstruction. Credit will not be given to students who already earned credit for History 122.
Transferability: Transferable to both UC and CSU
Entrance Skills: A high school or college GPA of 3.0 or above
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

HIST121
The United States Since 1865
Units: 3
A critical analysis of American history. Includes industrial and technological development, the changing nature of society, cultural patterns, domestic politics, artistic attainments, and America's expanded world role. Credit will not be given to students who already earned credit for History 122.
Former Title: Honors The United States Since 1865 (2020)
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Anti-Requisite: HIST122, American History-Dynamics of Change

HIST121H
Honors the United States Since 1865
Units: 3
Seminar-style, content-enriched course for honors students exploring a critical analysis of American history including industrial and technological development, the changing nature of society, cultural patterns, domestic politics, artistic attainments, and America's expanded world role. Credit will not be given to students who already earned credit for History 122.
Former Title: Honors the United States Since 1877 (2020)
Transferability: Transferable to both UC and CSU
Entrance Skills: A high school or college GPA of 3.0 or above
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Anti-Requisite: HIST122, American History-Dynamics of Change

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 of Enrollment: None
Lecture Hours:54
Requisites: None

HIST125
Native American History
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 of Enrollment: None
Lecture Hours:54
Requisites: None

HIST126
United States since 1945
Units: 3
This course covers the history of the United States from the end of World War II to contemporary times, emphasizing developments in politics, society, economics, and culture, including the role of race, sex, gender, and class issues. The politics of government policy and the foreign relations of the United States also receive attention. The history of the American people and the nation will be considered in the larger context of world history.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Advisory: HIST121, The United States Since 1865

HIST127
Women in U.S. History
Units: 3
This course introduces students to the history of women's 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. Women's 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None

Lecture Hours:54
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 people's social lives and futures; the causes and implications of current affairs.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of 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
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.

HIST240
Introduction to Peace and Conflict Studies
Units: 3
Historical, social and economic development of the world order along with awide range approach integral to the examination ofglobal studies, peace and conflict resolution. The study of peace and conflict areas to include the war system, war prevention, nonviolence, human rights, social justice, environmental sustainability and the role of the United Nations and other international governing bodies.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: POLSC1000, American Government and Politics OR Prerequisite: POLSC1000H, American Government and Politics - Honors OR Advisory: POLT220, International Politics

INTERDISCIPLINARY 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 of Enrollment: None
Lecture Hours:18
Requisites: None

INFORMATION STUDIES

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 of Enrollment: None
Lecture Hours:18
Requisites: None

INFO103
Researching in the Digital Age
Units: 0
Learn essential library research strategies for effectively locating and evaluating online information 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 of Enrollment: None
Lecture Hours:0
Requisites: None

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 of Enrollment: None
Lecture Hours:54
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 of 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 of 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of 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 of Enrollment: None
Lecture Hours:90
Lab Hours:18
Requisites: Prerequisite: ITAL201
Intermediate Italian I
or four years of high school Italian

KINESIOLOGY

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:36
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 of Enrollment: None
Lecture Hours:54

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

KIN111
Sports Psychology
Units: 3
An academic and practical examination of the psychological aspects of sport. Specific methods will be taught to enhance athletic performance through mental preparation and practice.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = 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:162
Requisites: None

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 of Enrollment: Course Family = 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:162
Requisites: None

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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.
Lecture Hours:36
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 of Enrollment: Course Family = 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: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 of Enrollment: Course Family = 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:162
Requisites: None

KIN247
Volleyball Team Off-Season - Men
Units: 0.5-1
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 of Enrollment: Course Family = 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

KIN248
Volleyball Team Off-Season - Women
Units: 0.5-1
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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season, or conditioning course per academic year.
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 of Enrollment: Course Family = 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: 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 of Enrollment: Course Family = 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: 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 of Enrollment: Course Family = 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: 162
Requisites: None

KIN257
Cross Country Team-Off Season
Units: 0.5-1
This courseteaches 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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = 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: 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 of Enrollment: Course Family = 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: 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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = Students may take a maximum of 350 hours of any team sport, team off-season course or conditioning course per academic year.

Lecture Hours:36
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 of Enrollment: Course Family = 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: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 of Enrollment: Course Family = 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

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 of Enrollment: Course Family = A combination of Kinesiology 125A, 125B, 125C may be taken a maximum of four enrollments.
Lecture Hours:36
Requisites: None

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 of Enrollment: Course Family = A combination of Kinesiology 119, 140A, 140B and 140C may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours: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 of Enrollment: Course Family = A combination of Kinesiology 125A, 125B, and 125C may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:30
Requisites: None

KIN125B
Intermediate Cardio Kickboxing
Units: 0.5-1
This intermediate level Cardio Boxing class will emphasize combative maneuvers that will enhance thecardiovascular 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 of Enrollment: Course Family = A combination of Kinesiology 125A, 125B, 125C may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:30
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 of Enrollment: Course Family = A combination of Kinesiology 125A, 125B, and 125C may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Kinesiology 120A, 120B, 121A, 126A and 126B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Kinesiology 120A, 120B, 121A, 126A and 126B may be taken a maximum of four enrollments.
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 thepractice 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 of Enrollment: Course Family = A combination of Kinesiology 123A, 123B, 127A, 127B, 127C, and 128A may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:54
Requisites: None

KIN127B
Intermediate Yoga
Units: 0.5-1
Thisintermediate level yoga class is an exercise program that emphasizes thepractice 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 of Enrollment: Course Family = A combination of Kinesiology 123A, 123B, 127A, 127B, 127C, and 128A may be taken a maximum of four enrollments.
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 thepractice 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 of Enrollment: Course Family = A combination of Kinesiology 123A, 123B, 127A, 127B, 127C and 128A may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Kinesiology 123A, 123B, 127A, 127B, 127C and 128A may be taken a maximum of four enrollments.
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 ofbody weight and light weight equipment. Instruction is provided in the areas of functional fitness and thephysiological adaptation process that occurs as a resultof circuit training.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = A combination of Kinesiology 119, 140A, 140B and 140C may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:54
Requisites: None

KIN140B
Intermediate Circuit Weight Training
Units: 0.5-1
This course is designedfor students with priorresistance training experience. Principles and training techniques for the development ofmuscle tone, muscle strength, and muscular endurance will be taught, as well as the use ofweightbearingexercises 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 of Enrollment: Course Family = A combination of Kinesiology 119, 140A, 140B and 140C may be taken a maximum of four enrollments.
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-bearingactivities andequipment to perform high intensity exercise. Muscular development will be achievedthroughimplementation ofa 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 of Enrollment: Course Family = A combination of Kinesiology 119, 140A, 140B and 140C may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:54
Requisites: None

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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 inadvanced strength training theory.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = A combination of Kinesiology 146A, 146B, 146C and 147 may be taken a maximum of four enrollments.
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 infree weightstrength training. Instructionwill focus ontraining 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, andexplosiveness.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = A combination of Kinesiology 146A, 146B, 146C and 147 may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:54
Requisites: None

KIN160A
Basic Basketball
Units: 0.5-1
Tointroduce and establish basketball fundamentals with a view to encouraging life-time fitness.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = A combination of Kinesiology 160A, 160B, 163A, 166A, 168A and 168B may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:30
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 of Enrollment: Course Family = A combination of Kinesiology 160A, 160B, 163A, 166A, 168A and 168B may be taken a maximum of four enrollments.
Lecture Hours:0

Lab Hours:30
Requisites: None

KIN163A
Basic Indoor Soccer
Units: 0.5-1
A basiclevel soccer course to develop fundamental soccer skills in an indoor facility.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = A combination of Kinesiology 160A, 160B, 163A, 166A, 168A and 168B may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:30
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 of Enrollment: Course Family = A combination of Kinesiology 160A, 160B, 163A, 166A, 168A, and 168B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Kinesiology 160A, 160B, 163A, 166A, 168A and 168B may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:30
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 of Enrollment: Course Family = A combination of Kinesiology 160A, 160B, 163A, 166A, 168A and 168B may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:30

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 of Enrollment: None
Lecture Hours:0
Lab Hours:54
Requisites: None

KIN185A
Basic Swimming
Units: 0.5-1
Introductory basicswimming skills, with an emphasis on water safety.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: Course Family = A combination of Kinesiology 185A, 185B, and 185C may be taken a maximum of four enrollments
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 of Enrollment: Course Family = A combination of Kinesiology: 185A, 185B, and 185C may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Kinesiology:185A, 185B, and 185C may be taken a maximum of four enrollments.
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 andhow 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

MATHEMATICS

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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: MATH080A, Integrated Mathematics I

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 of Enrollment: None
Lecture Hours:90
Requisites: Prerequisite: MATH080B, Integrated Mathematics II

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 of Enrollment: None
Lecture Hours:72
Requisites: None

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; sequences and series.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Requisites: None

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 of Enrollment: None
Lecture Hours:90
Requisites: Prerequisite: MATH140, College Algebra

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 of Enrollment: None
Lecture Hours:90
Lab Hours:36
Requisites: Prerequisite: MATH140, College Algebra

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 of Enrollment: None
Lecture Hours:90
Requisites: None

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 both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

MATH180
Single Variable Calculus I
Units: 4

Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates and areas.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Requisites: None

MATH180H
Honors Single Variable Calculus I
Units: 4

An in-depth honors level study of limits and continuity, derivatives and integrals of algebraic, trigonometric, and transcendental functions with the emphasis on theory and challenging problems. Applications include extrema tests, related rates and areas.
Transferability: Transferable to both UC and CSU
Entrance Skills: A high school or college GPA of 3.0 or above
Limitations of Enrollment: None
Lecture Hours:72
Requisites: None

MATH180S
Single Variable Calculus I with Integrated Support
Units: 4.5

Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates and areas. Includes integrated review of core mathematical skills needed to be successful in Calculus I. Intended for students that prefer to supplement learning with prerequisite skills for Calculus I.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Lab Hours:36
Requisites: None

MATH185
Single Variable Calculus II
Units: 4

Applications of integrals, including volumes, work, arc length, and surface area. Integration techniques, differential equations, conics, parametric equations, polar coordinates, improper integrals, sequences and infinite series.

Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Requisites: Prerequisite: MATH180, Single Variable Calculus I OR Prerequisite: MATH180H, Honors Single Variable Calculus I

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 of 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
Requisites: Prerequisite: MATH080, Intermediate Algebra OR
Prerequisite: MATH085, Intermediate Algebra with Integrated Support

MATH203
Fundamental Concepts of Elementary Mathematics
Units: 4

Thiscourse emphasizes problem solving techniques and mathematical structure associated with numeration, set theory, elementary number theory, the real number system, ratio, proportion and patterns. Designed for prospective elementary teachers, this course includes activity-based explorations implementing the common core state curriculum standards.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Lab Hours:18
Requisites: None

MATH225
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 of Enrollment: None
Lecture Hours:72
Requisites: "Qualifying profile from the Mathematics placement process. OR Completion of any mathematics course at the Intermediate Algebra level or above with a grade of "C" or better.

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 of Enrollment: None
Lecture Hours: 72
Requisites: Prerequisite: MATH225, 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 of Enrollment: None
Lecture Hours: 54
Requisites: Prerequisite: CMPR122, Programming Concepts and Methodology I
Required by CID: COMP 152
AND
Anti-Requisite: CMPR149, Discrete Structures for Computer Science
Same C-ID number

MATH280
Intermediate Calculus
Units: 4
Vectors and three-dimensional space, functions of several variables, partial derivatives and multiple integrals. Vector calculus, Green's Theorem, Stoke's Theorem, and the Divergence Theorem.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 72
Requisites: Prerequisite: MATH185, Single Variable Calculus II

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 of Enrollment: None
Lecture Hours: 90
Requisites: Prerequisite: MATH185, Single Variable Calculus II

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 of Enrollment: None
Lecture Hours: 54
Requisites: Prerequisite: MATH185, Single Variable Calculus II
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 of Enrollment: None
Lecture Hours: 54
Requisites: Prerequisite: MATH185, Single Variable Calculus II

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 of 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 inPrecalculus 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 of 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 of 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 of 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 of Enrollment: None
Lecture Hours: 72
Requisites: None

STATC1000E
Introduction to Statistics
Units: 4.5
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 of Enrollment: None
Lecture Hours: 72
Lab Hours: 36
Requisites: None

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 of Enrollment: None
Lecture Hours: 72
Requisites: None

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 of Enrollment: Course Family = A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
Lecture Hours: 54
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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
Lecture Hours: 54

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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
Lecture Hours:54
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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

MUS111
Music Theory and Musicianship I
Units: 4
Introductory level course in music theory and its applications in traditional and modern musical practice. Includes detailed study of rhythm, notation, scales, intervals, chords, diatonic harmony, and voice leading as well as sight singing and other musicianship skills. Ability to read music in at least one clef recommended. Required of music majors; open to non-majors.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Lab Hours:18
Requisites: None

MUS112

Music Theory and Musicianship II
Units: 4
Continued study of harmony and ear training. Includes writing phrases and cadences, non-harmonic tones, harmonization, voice leading, melodic construction, figured bass, chord progression, and keyboard harmony. Required for music majors; open to non-majors.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:72
Lab Hours:18
Requisites: Prerequisite: MUS111, Music Theory and Musicianship I

MUS114A
Musicianship III
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.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of 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 of 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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
Lecture Hours:18
Lab Hours:18
Requisites: Prerequisite: MUS122, Intermediate Voice

MUS124
Advanced Vocal Production and Repertoire
Units: 1
Continuation of group instruction for studentswho 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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.
Lecture Hours:0
Lab Hours:54
Requisites: None

MUS127
Concert Chorale

Units: 1
Rehearsal and performance of standard and current choral classicrepertoire (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 of 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 of 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 of Enrollment: None
Lecture Hours:0
Lab Hours:72
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 of Enrollment: Course Family = Combination of Music

Credit Courses

160 A, B, C, D.
Lecture Hours: 18
Requisites: None

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 of Enrollment: Course Family = Combination of Music 160 A, B, C, D.
Lecture Hours: 18
Requisites: 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 of Enrollment: Course Family = Combination of Music 160 A, B, C, D.
Lecture Hours: 18
Requisites: 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 of Enrollment: Course Family = Combination of Music 160 A, B, C, D.
Lecture Hours: 18
Requisites: 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 of Enrollment: Course Family = A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.
Lecture Hours: 18
Lab Hours: 18
Requisites: None

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 of Enrollment: Course Family = A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.
Lecture Hours: 18
Lab Hours: 18
Requisites: Advisory: MUS061, Basic Piano Skills 1
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 of Enrollment: Course Family = A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.

Lecture Hours: 9

Lab Hours: 27

Requisites: Advisory: MUS164A , Intermediate Piano Repertoire I

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 of 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 of Enrollment: Course Family = A combination of Music 185, 186, 187 and 188 may be taken a maximum of four enrollments.

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 of Enrollment: Course Family = A combination of Music 185, 186, 187 and 188 may be taken a maximum of four enrollments.

Lecture Hours: 18

Lab Hours: 18

Requisites: Advisory: 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 of Enrollment: Course Family = A combination of Music 185, 186, 187 and 188 may be taken a maximum of four enrollments.

Lecture Hours: 9

Lab Hours: 27

Requisites: Advisory: 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 of Enrollment: Course Family = A combination of Music 185, 186, 187 and 188 may be taken a maximum of four enrollments.

Lecture Hours: 9

Lab Hours: 27

Requisites: Advisory: MUS187, Advanced Classical Guitar

MUS213
Music Theory III
Units: 3

Continuation of diatonic harmony from Music 112. Chromatic harmony introduced. Includes non-dominant seventh chords, secondary dominants, modulation, and altered chords. Keyboard harmony. Concurrent enrollment in Music 114A recommended. Required for music majors; open to non-majors.

Transferability: Transferable to both UC and CSU

Entrance Skills: None

Limitations of Enrollment: None

Lecture Hours: 54

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 of Enrollment: None

Lecture Hours: 54

Requisites: Prerequisite: MUS213, Music Theory III

NUTRITION AND FOOD

NUTR115
Nutrition
Units: 3

A study of scientific concepts of nutrition relating to the functioning of nutrients in the basic life process. Emphasis is on individual needs, food sources of nutrients, current nutrition issues and diet analysis.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 54
Requisites: Advisory: ENGL100, Freshman Composition with Integrated Support
OR
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 18
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 72
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR 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: None
Limitations of Enrollment: None
Lecture Hours: 72
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGLC1000, Academic Reading and Writing OR Prerequisite: ENGLC1000H, Academic Reading and Writing - Honors

Credit Courses

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 of Enrollment: None
Lecture Hours:72
Requisites: None

PHIL112
World Religions
Units: 3

A philosophical overview of the world's 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.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

PHIL118
History of Philosophy
Units: 3

An introduction to philosophy from a historical perspective: getting acquainted with the thoughts of the world's 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
Lab Hours:54
Requisites: Advisory: MATH080, Intermediate Algebra OR Advisory: MATH085, Intermediate Algebra with Integrated Support

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 of 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 of 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 of Enrollment: None
Lecture Hours: 18
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 of 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, Ampere's Law, Faraday's Law, light, and quantum mechanics.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 18
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 of Enrollment: None
Lecture Hours: 72
Lab Hours: 54
Requisites: Prerequisite: MATH180, Single Variable Calculus I OR Prerequisite: MATH180H, Honors Single Variable Calculus I 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 of Enrollment: None
Lecture Hours: 72
Lab Hours: 54

Requisites: Prerequisite: MATH185, Single Variable Calculus II 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 of 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 takenChild Development 107.)
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: Anti-Requisite: CDEV107, Child Growth and Development (DS1)

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54

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 takenIDS 155.)
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: Anti-Requisite: SOC240, Introduction to Social Psychology

PSYC250
Introduction to Abnormal Psychology
Units: 3
This course is an introduction to the scientific study of psychopathology and atypical behaviors. An investigation of abnormal behavior from an integrative approach utilizing the biological, psychological and sociocultural perspectives. A comprehensive survey of theory and research in abnormal psychology with identification, etiology, intervention and prevention being presented.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGL101, Freshman Composition
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 of Enrollment: None
Lecture Hours:54
Requisites: Advisory: ENGL101, Freshman Composition
Eligibility for college-level writing and reading (ENGL C1000, ENGL C1000H).

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

PUBLIC WORKS

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 of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC051
Infrastructure Construction and Maintenance
Units: 3
Focuses on the infrastructure construction and maintenance processes of public facilities including equipment and material procurement, scheduling, financing, project management, and permitting. Field trips may be required.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC061
Plan Interpretation and Cost Estimating
Units: 3
Reading and interpreting construction plans related to public works infrastructure projects, including roadway, water, sewer, storm drain and traffic improvements. Related concepts include basic mathematical formulas and conversions, construction materials and equipment, surveying, project management, contract documents, costing, quantifying and computer applications.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC068
Fundamentals of Storm Water Management
Units: 3
Provides basic knowledge of regulatory storm water discharge permits administered byRegional 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC074
Contract Administration
Units: 3
Presents techniques, methods and processes usedto 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 of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC080
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 of Enrollment: None
Lecture Hours:54
Requisites: Anti-Requisite: BUS090, Principles of Project Management

PBLC084
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 of Enrollment: None
Lecture Hours:5
Lab Hours:35
Requisites: None

PBLC085
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.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC086
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.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:5

Lab Hours:35
Requisites: None

PBLC087
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.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:5
Lab Hours:35
Requisites: None

PBLC088
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.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:5
Lab Hours:35
Requisites: None

PBLC089
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.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:5
Lab Hours:35
Requisites: None

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,

Credit Courses

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 of Enrollment: None
Lecture Hours:54
Requisites: Anti-Requisite: PBLC110, Introduction to Microsoft Project

PBLC150
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.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC151
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.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC152
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.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC153
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.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC155
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.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

PBLC199
Cooperative Work Experience Education
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. Credit may be accrued at the rate of one (1) to four (4) units per semester for a maximum of sixteen (16) units. Additionally, students must work 75 paid hours or 60 non-paid hours per unit earned. Open Entry/Open Exit
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: Course Family = Students may repeat a work experience course four (4) times per Title 5, section 55253, Cooperative Work Experience Education guidelines for a maximum of 16 units. A maximum of four (4) units may be earned during one (1) semester in occupation work experience education.
Lecture Hours:0
Lab Hours:60-300
Requisites: None

Santiago Canyon College

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

READ128
Expanding ESL Reading Skills
Units: 1
This course is designed to help students approachintermediate-levelreading materials in theirACE/ESLcourses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course forAmerican College English (ACE)courses, including:ACE 052 and ACE 053.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:18
Requisites: Advisory: ACE052, Expanding Academic Writing and Reading. Students are advised to concurrently enrolled in American College English 052

READ129
Refining ESL Reading Skills
Units: 1
This course is designed to help students approachlow-advancedreading 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 forAmerican College English (ACE) courses,including:ACE 093and ACE102.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:18
Requisites: Advisory: ACE102, Refining Academic Writing and Reading Students are advised to concurrently enroll in American College English 102.

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 of Enrollment: None
Lecture Hours:18
Requisites: None

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 of Enrollment: None
Lecture Hours:18
Requisites: None

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 coursesby 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 of Enrollment: None
Lecture Hours:18
Requisites: None

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 areasby introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses inCultural, 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

Credit Courses

Limitations of Enrollment: None
Lecture Hours: 18
Requisites: None

READ136
Reading in STEM
Units: 1
This course is designed to help students approachchallenging and varied reading tasks on topics related to STEM areasby 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 MechanicalEngineering; Algebra, Calculus, Liberal Arts Math, Statistics and Probability, and Trigonometry.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 18
Requisites: None

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 areasby 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, whichincludes:Art, Communication, English, Literature, Modern Languages, Performing Arts, and Philosophy.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours: 18
Requisites: None

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 of Enrollment: None
Lecture Hours: 54
Requisites: Advisory: ENGL101, Freshman Composition Previous or concurrent enrollment in English 101 OR Advisory: ENGL101H, Honors Freshman Composition Previous or concurrent enrollment in English 101H OR Advisory: ENGL100, Freshman Composition with Integrated Support Previous or concurrent enrollment in English 100

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 of Enrollment: None
Lecture Hours: 54
Requisites: Prerequisite: ENGL100, Freshman Composition with Integrated Support OR Prerequisite: ENGL101, Freshman Composition OR Prerequisite: ENGL101H, Honors Freshman Composition

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 of Enrollment: None
Lecture Hours: 54
Requisites: None

REAL ESTATE

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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:63
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 of Enrollment: None
Lecture Hours:63
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 of Enrollment: None
Lecture Hours:18
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 of Enrollment: None
Lecture Hours:54
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 salesperson's or broker's license examination.
Former Title: Real Estate 053, Real Estate License Preparation (2020)
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:36
Requisites: None

RE160
Real Estate Employability Skills
Units: 1
Students will enhance basic soft skills, workplace skills, interpersonal skills, communication skills, and leadership skills.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:18
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 of Enrollment: None
Lecture Hours:0
Lab Hours:54-216
Requisites: Advisory: RE102, Real Estate Principles AND Advisory: RE105, Real Estate Practice

SOCIOLOGY

SOC100
Introduction to Sociology
Units: 3
The scientific study of human societies and behavior focusing on the process of social construction, social location, social interaction, patterns of social inequality, and the influence of social institutions on individuals as members of social groups. Special emphasis provided to explain factors promoting social stability and social change. Field trips may be required.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
Requisites: None

SOC100H
Honors Introduction to Sociology
Units: 3
A seminar-style, content enriched course to provide a critical and extensive exploration of the sociological perspective, methods, and theories of social interaction, stability, change, social construction, social institutions, and social location. Focuses on the importance of sociology

for understanding individual and group behavior in a social context and provides a comprehensive understanding of and scientific way of thinking about society. 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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

SOC116
Social Problems
Units: 3
An extensive survey of contemporary social trends and problemsthrough an intersectional sociological analysisconcentrating ontheir contributing factors, complexities, consequences, andpossible 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
Requisites: None

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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, attraction, 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 of Enrollment: None
Lecture Hours:54
Requisites: Anti-Requisite: PSYC240, Introduction to Social Psychology

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 surveyspolitical, 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 of Enrollment: None
Lecture Hours:54
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 of 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 of 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 of 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 of 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 of 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

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 inappropriate 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 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 of Enrollment: None
Lecture Hours: 90
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 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 of Enrollment: None
Lecture Hours: 90
Requisites: Prerequisite: SPAN110, Spanish for Spanish Speakers 1

SPAN115
Practical Communication in Spanish for Teachers
Units: 2
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 of Enrollment: None
Lecture Hours: 36
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 of Enrollment: None
Lecture Hours: 54
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.

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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
Requisites: Prerequisite: SPAN195A, Advanced Conversational Spanish

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 of 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 ona specialized review ofgrammar and composition, discussions in Spanish of history and culturebased on literary materials.
Transferability: Transferable to both UC and CSU
Entrance Skills: None
Limitations of 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 of Enrollment: None
Lecture Hours:54
Requisites: Prerequisite: SPAN110, Spanish for Spanish Speakers 1 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 of Enrollment: None
Lecture Hours:54
Lab Hours:54
Requisites: None

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 of 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

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 of Enrollment: None
Lecture Hours:45
Lab Hours:27
Requisites: Anti-Requisite: GEOG155, Introduction to Geographic Information Systems

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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
Requisites: Advisory: SURV229, Legal Aspects of Land Surveying I

THEATER 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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: Course Family = A combination of Theatre Arts 110, 111 and 118 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Theatre Arts 110, 111 and 118 may be taken a maximum of four enrollments.
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 of Enrollment: Course Family = A combination of Theatre Arts 110, 111 and 118 may be taken a maximum of four enrollments.
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 of Enrollment: A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
Lecture Hours: 36
Lab Hours: 36
Requisites: None

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 of Enrollment: Course Family = A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
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 of Enrollment: Course Family = A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
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 of Enrollment: A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
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 of Enrollment: Course Family = A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
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 of Enrollment: Course Family = A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
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 of Enrollment: Course Family = A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
Lecture Hours: 18
Lab Hours: 54
Requisites: Advisory: THEA110, Acting Fundamentals

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 of Enrollment: Course Family = A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
Lecture Hours: 18
Lab Hours: 54
Requisites: Advisory: THEA110, Acting Fundamentals

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 of Enrollment: Course Family = A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
Lecture Hours: 18
Lab Hours: 54
Requisites: Advisory: THEA110, Acting Fundamentals

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 of Enrollment: Course Family = A combination of Theatre Arts 180A, 180B, 181A, 181B, 182A, 182B, 183A and 183B may be taken a maximum of 4 enrollments.
Lecture Hours:18
Lab Hours:54
Requisites: Advisory: THEA110, Acting Fundamentals

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 of Enrollment: Course Family = A combination of Theatre Arts 186A, 186B and 186C may be taken a maximum of 4 enrollments.
Lecture Hours:18
Lab Hours:54
Requisites: Advisory: THEA110, Acting Fundamentals

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, directiorial associate, scenery, properties, costuming, makeup, lighting, and/or sound.
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: Course Family = A combination of Theatre Arts 186A, 186B and 186C may be taken a maximum of 4 enrollments.
Lecture Hours:18
Lab Hours:54
Requisites: Advisory: THEA110, Acting Fundamentals

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 of Enrollment: Course Family = A combination of

Theatre Arts 186A, 186B and 186C may be taken a maximum of 4 enrollments.
Lecture Hours:18
Lab Hours:54
Requisites: Advisory: THEA110, Acting Fundamentals

WATER & WASTEWATER TECHNOLOGY

WATR048
Wastewater Operator Exam Review
Units: 0.5
This course provides a comprehensive review of topics from multiplecourses in the Water Utility Science program in orderto prepare students for the CaliforniaState Water Resources Control Board, Wastewater TreatmentOperator examinations.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:9
Requisites: Advisory: WATR111, Wastewater Treatment

WATR054
Advanced Treatment Exam Preparation
Units: 0.5
This course provides a comprehensive review of topics from multiplecourses in the Water Utility Science program in orderto prepare students for the CaliforniaState Water Resources Control Board, Water TreatmentOperator T3 and T4 examinations.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:9
Requisites: None

WATR056
Treatment Exam Preparation
Units: 0.5
This course provides a comprehensive review of topics from multiplecourses in the Water Utility Science program in orderto prepare students for the CaliforniaState Water Resources Control Board, Water TreatmentOperator T1 and T2 examinations.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:9
Requisites: None

WATR057
Water Distribution Test Preparation
Units: 0.5
This course provides a comprehensive review of topics from multiplecourses in the Water Utility Science program in orderto prepare students for the CaliforniaState Water Resources Control Board, Water Distribution Operator D1 and D2 examinations.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:9
Requisites: None

WATR059
Advanced Distribution Exam Preparation
Units: 0.5
This course provides a comprehensive review of topics from multiplecourses in the Water Utility Science program in orderto prepare students for the CaliforniaState Water Resources Control Board, Water Distribution Operator D3, D4, and D5 examinations.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:9
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 of Enrollment: None
Lecture Hours:54
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 calculationsused in water system operations.
Former Title: WATR 050 Water Mathematics and Hydraulics (Fall 2023)
Transferability: Transferable to CSU only
Entrance Skills: None
Limitations of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 includepumps 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 of Enrollment: None
Lecture Hours:54
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 of 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of 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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours:54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 0
Lab Hours: 27-216
Requisites: None

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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54
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 of Enrollment: None
Lecture Hours: 54

Requisites: None

NON-CREDIT PROGRAMS

ADULT BASIC EDUCATION

Adult Basic Education, COM
Certificate of Competency
The Certificate ofCompetency in AdultBasic Educationis designed to prepare students for basic reading, writing, spelling, and math skills used in the Adult High School Diploma Program, General Education Development (GED) Preparation, and college courses.
Program Rules: Adult Basic Education, COM (hours 216.0 - 216.0)
All of the following
    Certificate requirements: 216 hours (hours are in hours) (hours 144.0 - 144.0)
    The following number of hours
        ABE024 Adult Basic Education Writing (hours 72.0 - 72.0)
        ABE025 Adult Basic Education Mathematics (hours 72.0 - 72.0)
    Select one (1) course from the following: (hours 72.0 - 72.0)
    The following number of hours
        ABE023 Adult Basic Education Reading (hours 72.0 - 72.0)
        ABE026 Adult Basic Education Spelling (hours 72.0 - 72.0)
Control Number: 33421

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 (hours 144.0 - 144.0)
The following number of hours
    HSRDG093 Building Reading Skills 1 (hours 72.0 - 72.0)
    HSRDG094 Building Reading Skills 2 (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 (hours 144.0 - 144.0)
The following number of hours
    HSENG066 English Fundamentals 2 (hours 72.0 - 72.0)

HSENG083 Composition 1 (hours 72.0 - 72.0)
Control Number: 33555

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 (hours 173.0 - 173.0)
The following number of hours
    ABE025 Adult Basic Education Mathematics (hours 72.0 - 72.0)
    HSMTH159 Math Fundamentals 2 (hours 72.0 - 72.0)
    HSS500 Orientation to High School and Online Learning (hours 29.0 - 29.0)
Control Number: 33422

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 (hours 120.0 - 120.0)
All of the following
    WKPR019 Different Communication Styles in the Workforce (hours 60.0 - 60.0)
    WKPR020 Different Cultures in the Workplace (hours 60.0 - 60.0)
Control Number: 43227

ADULTS WITH SPECIAL NEEDS

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 (hours 240.0 - 240.0)
The following number of hours
    WKPR002 Self-Advocacy (hours 60.0 - 60.0)
    WKPR006 Communication Skills for Successful Employment (hours 60.0 - 60.0)
    WKPR007 Social Skills and Necessary Etiquette (hours 60.0 - 60.0)
    WKPR008 Building Critical Thinking Skills (hours 60.0 - 60.0)
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 (hours 180.0 - 180.0)
The following number of hours
    WKPR003 Getting Around Town (hours 60.0 - 60.0)
    WKPR004 Choosing the Right Employment Path (hours 60.0 - 60.0)
    WKPR005 Safety on the Job (hours 60.0 - 60.0)
Control Number: 36215

OFFICE TECHNOLOGY/ COMPUTER APPLICATIONS

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 (hours 80.0 - 80.0)

All of the following
   Certificate Requirements: (hours 80.0 - 80.0)
   All of the following
      WKPR023 Introduction to AI in the Workforce (hours 40.0 - 40.0)
      WKPR024 Introduction to Applications of AI in the Workforce (hours 40.0 - 40.0)

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 (hours 80.0 - 80.0)

All of the following
   WKPR021 Introduction to Working Remotely (hours 40.0 - 40.0)
   WKPR022 Soft Skills Necessary for Employees Who Work Remotely (hours 40.0 - 40.0)

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 (hours 184.0 - 184.0)

The following number of hours
   WKPR002 Self-Advocacy (hours 60.0 - 60.0)
   WKPR007 Social Skills and Necessary Etiquette (hours 60.0 - 60.0)
   WKPR014 Basic Finances in the Workforce (hours 32.0 - 32.0)
   WKPR015 Public Communications (hours 32.0 - 32.0)

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 (hours 120.0 - 120.0)

The following number of hours
   WKPR009 Beginning Computers (hours 60.0 - 60.0)
   WKPR018 Social Media and Online Safety in the Workplace (hours 60.0 - 60.0)

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 (hours 152.0 - 152.0)

The following number of hours
   WKPR009 Beginning Computers (hours 60.0 - 60.0)
   WKPR011 Introduction to Handling Money (hours 60.0 - 60.0)
   WKPR014 Basic Finances in the Workforce (hours 32.0 - 32.0)

Control Number: 36216

Transition to Higher Learning, CC
Certificate of Completion

The Certificate of Completionin 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 asdemonstrate an ability to address and meet their needs.

Program Rules: Transition to Higher Learning, CC (hours 120.0 - 120.0)

The following number of hours
   WKPR001 Transition to Higher Learning (hours 0.0 - 0.0)
   WKPR002 Self-Advocacy (hours 60.0 - 60.0)

Control Number: 36217

Understanding and Supporting Employees with Disabilities, CC
Certificate of Completion

Designed for employers, the Certificate of Completion inUnderstandingand Supporting Employees with Disabilitiesprovides 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 (hours 80.0 - 80.0)

The following number of hours
   WKPR100 Understanding Employees with Disabilities in the Workplace (hours 40.0 - 40.0)
   WKPR101 Strategies for Working with Employees with Disabilities (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 (hours 80.0 - 80.0)

The following number of hours
   WKPR102 Understanding Students with Disabilities (hours 40.0 - 40.0)
   WKPR103 Strategies for Instructing Students with Disabilities (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 (hours 96.0 - 96.0)
The following number of hours
   VCST101 Custodial Technician (hours 60.0 - 60.0)
   VCST102 Basic Hazmat Safety Standards (hours 36.0 - 36.0)
 Control Number: 36900

ESL INTEGRATED

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 (hours 168.0 - 288.0)
The following number of hours
   ESL250 Seminar for Beginning ESL Students (hours 72.0 - 72.0)
   ESL530 American English Pronunciation (hours 96.0 - 216.0)
 Control Number: 30690

Enhanced Intermediate ESL Skills, COM
Certificate of Competency
The Certificate of Competency inEnhanced 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 better communication and personal growth.
Program Rules: Enhanced Intermediate ESL Skills, COM (hours 144.0 - 144.0)
The following number of hours
   ESL010 ESL Writing (hours 72.0 - 72.0)
   ESL260 Seminar for Intermediate ESL Students (hours 72.0 - 72.0)
 Control Number: 30647

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 (hours are in hours) (hours 192.0 - 432.0)
The following number of hours
   ESL510 English for Work 1 (hours 96.0 - 216.0)
   ESL520 English for Work 2 (hours 96.0 - 216.0)
 Control Number: 24198

English as a Second Language Program, COM
Certificate of Competency
The Certificate of Competency in English as a Second Language Program is designed todevelopthe reading, writing, speaking, and listening skills of limited-English speaking students, through the continuum of ESL classes,in preparationforenhanced 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 (hours are in hours) (hours 480.0 - 1080.0)
The following number of hours
   ESL301 Beginning Low (hours 96.0 - 216.0)
   ESL302 Beginning High (hours 96.0 - 216.0)
   ESL303 Intermediate Low (hours 96.0 - 216.0)
   ESL304 Intermediate High (hours 96.0 - 216.0)
   ESL305 Advanced Low (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 (hours 168.0 - 168.0)
The following number of hours
   ESL270 Seminar for Advanced ESL Students (hours 72.0 - 72.0)
   ESL601 Advanced Grammar and Writing (hours 96.0 - 96.0)
 Control Number: 40510

ESL Advanced, COM
Certificate of Competency
The Certificate of Competencyin ESL Advanced improves limited-English speaking students' communication skillsin English with an emphasis ongrammar and writing in preparation for enhanced job opportunities and the transition to academic studies.
Program Rules: Certificate Requirements: 192 - 432 hours (hours are in hours) (hours 192.0 - 432.0)
The following number of hours
   ESL305 Advanced Low (hours 96.0 - 216.0)
   ESL306 Advanced High (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 (hours are in hours) (hours 312.0 - 432.0)
The following number of hours
   ESL300 Literacy (hours 96.0 - 216.0)
   ESL440 Beginning Multilevel (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 (hours are in hours) (hours 192.0 - 432.0)
The following number of hours
    ESL301 Beginning Low (hours 96.0 - 216.0)
    ESL302 Beginning High (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 (hours 168.0 - 360.0)
The following number of hours
    ESL120 ESL for Citizenship (hours 72.0 - 144.0)
    ESL303 Intermediate Low (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 (hours 96.0 - 128.0)
The following number of hours
    Certificate Requirements: (hours 96.0 - 128.0)
    The following number of hours
        ESL800 ESL for Healthcare Careers (hours 32.0 - 32.0)
        ESL801 ESL for Patient Care Skills (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 (hours 144.0 - 288.0)
The following number of hours
    ESL570 Conversation 1 (hours 72.0 - 144.0)
    ESL580 Conversation 2 (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 (hours are in hours) (hours 312.0 - 432.0)
The following number of hours
    ESL303 Intermediate Low (hours 96.0 - 216.0)

ESL500 Intermediate Multilevel (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 (hours are in hours) (hours 192.0 - 432.0)
The following number of hours
    ESL303 Intermediate Low (hours 96.0 - 216.0)
    ESL304 Intermediate High (hours 96.0 - 216.0)
 Control Number: 30646

ESL Literacy, COM
Certificate of Competency
The Certificate of Competency inESL 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 (hours are in hours) (hours 168.0 - 360.0)
All of the following
    Certificate Requirements: (hours 168.0 - 360.0)
    All of the following
        ESL300 Literacy (hours 96.0 - 216.0)
        ESL606 Computer Skills for ESL Students (hours 72.0 - 144.0)
 Control Number: 24230

ESL SPEAKING

ESL Communication, COM
Certificate of Competency
The Certificate of Competency in ESL Communication improves the English languageskills of limited-English speaking students with an emphasis on speaking and pronunciation.
Program Rules: Certificate Requirements: 192 - 432 hours (hours are in hours) (hours 192.0 - 432.0)
The following number of hours
    ESL303 Intermediate Low (hours 96.0 - 216.0)
    ESL530 American English Pronunciation (hours 96.0 - 216.0)
 Control Number: 36665

ESL WRITING

ESL Intermediate Writing, COM
Certificate of Competency
The Certificate of Competency in ESL Intermediate Writing develops the ability of limited-English speaking students 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 (hours are in hours) (hours 168.0 - 288.0)
The following number of hours
    hours are in hours. (hours 0.0 - 0.0)
    ESL010 ESL Writing (hours 72.0 - 72.0)
    ESL303 Intermediate Low (hours 96.0 - 216.0)

Control Number: 24196

Commercial and Institutional Food Preparation, CC

Certificate of Completion

The Certificate of Completion in Commercial and Institutional Food Preparation prepares students for employment in commercial and institutional food kitchens, especially in the restaurant industry, by providing knowledge and skills in hygiene, sanitation, storage, nutrition, and food service administration.

Program Rules: Commercial and Institutional Food Preparation, CC (hours 135.0 - 135.0)
The following number of hours
   HSS338 Workforce Preparation (hours 15.0 - 15.0)

Control Number: 24093

FOOD PROCESSING & 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 (hours 96.0 - 96.0)
The following number of hours
   VFOOD005 Food Handler Test Preparation (hours 36.0 - 36.0)
   WKPR500 Workforce Readiness (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 (hours 132.0 - 132.0)
The following number of hours
   VFOOD010 Food Service Manager Test Preparation (hours 72.0 - 72.0)
   WKPR500 Workforce Readiness (hours 60.0 - 60.0)

Control Number: 24093

HS DIPLOMA PROG./GED

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 (hours 2304.0 - 2304.0)
All of the following
   ENGLISH - Required courses (hours are in hours). Forty (40) high school hours required (576 hours). Must include one (1) of the following composition courses: (hours 72.0 - 72.0)

The following number of hours
   HSENG083 Composition 1 (hours 72.0 - 72.0)
   HSENG084 Composition 2 (hours 72.0 - 72.0)
   HSENG085 Composition 3 (hours 72.0 - 72.0)
ENGLISH - electives (hours are in hours). Select seven (7) of the following English electives (504 hours). [A maximum of 10 high school hours (144 hours) from High School Subjects Reading 089, 090 (hours 504.0 - 504.0)
The following number of hours
   HSENG020 Literature Brought to Life (hours 72.0 - 72.0)
   HSENG052 English Language Arts 1 (hours 72.0 - 72.0)
   HSENG053 English Language Arts 2 (hours 72.0 - 72.0)
   HSENG066 English Fundamentals 2 (hours 72.0 - 72.0)
   HSENG067 English Fundamentals 3 (hours 72.0 - 72.0)
   HSENG068 English Fundamentals 4 (hours 72.0 - 72.0)
   HSENG070 The Short Story (hours 72.0 - 72.0)
   HSENG072 Poetry (hours 72.0 - 72.0)
   HSENG076 The Novel (hours 72.0 - 72.0)
   HSENG098 Building Vocabulary 3 (hours 72.0 - 72.0)
   HSRDG089 Reading Proficiency Development (hours 72.0 - 72.0)
   HSRDG090 Reading Improvement (hours 72.0 - 72.0)
   HSRDG093 Building Reading Skills 1 (hours 72.0 - 72.0)
   HSRDG094 Building Reading Skills 2 (hours 72.0 - 72.0)
NATURAL SCIENCES - Required courses (hours are in hours). Twenty (20) high school hours are required (288 hours). Must include one (1) of the following biological science course: (hours 288.0 - 288.0)
The following number of hours
   HSSCI168 Life Science 1 (hours 72.0 - 72.0)
   HSSCI169 Life Science 2 (hours 72.0 - 72.0)
   HSSCI193 Basic Science 2 (hours 72.0 - 72.0)
NATURAL SCIENCES - Must include one (1) one of the following physical science courses: (hours 0.0 - 0.0)
The following number of hours
   HSSCI190 Physical Science 1 (hours 72.0 - 72.0)
   HSSCI191 Physical Science 2 (hours 72.0 - 72.0)
   HSSCI192 Basic Science 1 (hours 72.0 - 72.0)
SOCIAL AND BEHAVIORAL SCIENCES - Required courses (hours are in hours). Thirty (30) high school hours required (432 hours). Must include all of the following six (6) courses: (hours 432.0 - 432.0)
The following number of hours
   HSSOC215 Introduction to Economics (hours 72.0 - 72.0)
   HSSOC218 U.S. History 1: Colonization to Industrialization (hours 72.0 - 72.0)
   HSSOC219 U.S. History 2: The Shaping of Modern America (hours 72.0 - 72.0)
   HSSOC222 Government 1: United States Federal Government and Politics (hours 72.0 - 72.0)
   HSSOC229 World History, Geography, and Culture 1 (hours 72.0 - 72.0)
   HSSOC230 World History, Geography, and Culture 2 (hours 72.0 - 72.0)
HUMANITIES - Required courses (hours are in hours). Ten (10) high school hours required (144 hours). Select two (2) of the following courses: (hours 144.0 - 144.0)
The following number of hours
   HSART020 Literature Brought to Life (hours 72.0 - 72.0)
   HSART070 Short Stories (hours 72.0 - 72.0)
   HSART828 Understanding America Through Art (hours 72.0 - 72.0)
   HSART837 The Film As Art (hours 72.0 - 72.0)
MATHEMATICS - Required courses (hours are in hours). Twenty (20) high school hours are required (288 hours). Select four (4) of the following courses: (hours 288.0 - 288.0)
The following number of hours
   HSMTH156 Essential Mathematics 1 (hours 72.0 - 72.0)
   HSMTH157 Essential Mathematics 2 (hours 72.0 - 72.0)
   HSMTH159 Math Fundamentals 2 (hours 72.0 - 72.0)
   HSMTH163 Algebra 1A (hours 72.0 - 72.0)

HSMTH164 Algebra 1B (hours 72.0 - 72.0)
HSMTH167 Geometry A (hours 72.0 - 72.0)
HSMTH168 Geometry B (hours 72.0 - 72.0)
   ELECTIVES - (hours are in hours). Forty (40) high school hours are required (576 hours). Select elective courses from the following: (hours 576.0 - 576.0)
   The following number of hours
      ABE009 Academic Skills (hours 72.0 - 288.0)
      ABE023 Adult Basic Education Reading (hours 72.0 - 72.0)
      ABE024 Adult Basic Education Writing (hours 72.0 - 72.0)
      ABE025 Adult Basic Education Mathematics (hours 72.0 - 72.0)
      ABE026 Adult Basic Education Spelling (hours 72.0 - 72.0)
      HSOTH050 Basics of Leadership Part 1 (hours 36.0 - 36.0)
      HSOTH202 Basics of Leadership Part 2 (hours 36.0 - 36.0)
      HSS338 Workforce Preparation (hours 15.0 - 15.0)
      HSS770 Orientation to College (hours 8.0 - 8.0)
      VBUS118 Introduction to Windows (hours 60.0 - 60.0)
      VBUS260 Introduction to Word Processing using MS Word (hours 60.0 - 60.0)
   Control Number: 31601

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 (hours 144.0 - 144.0)
The following number of hours
   HSMTH158 Math Fundamentals 1 (hours 72.0 - 72.0)
   HSMTH159 Math Fundamentals 2 (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 (hours 216.0 - 216.0)
All of the following
   HSART845 Drawing and Painting 1 (hours 72.0 - 72.0)
   HSART846 Drawing and Painting 2 (hours 72.0 - 72.0)
   MUSCE126 Chorale Music (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 (hours 174.0 - 174.0)
The following number of hours
   HSMTH103 Math Study Skills Support 1A (hours 15.0 - 15.0)

HSMTH104 Math Study Skills Support 1B (hours 15.0 - 15.0)
HSMTH176 College Preparation Algebra 1A (hours 72.0 - 72.0)
HSMTH177 College Preparation Algebra 1B (hours 72.0 - 72.0)
   Control Number: 36209

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 (hours 318.0 - 318.0)
The following number of hours
   HSMTH103 Math Study Skills Support 1A (hours 15.0 - 15.0)
   HSMTH104 Math Study Skills Support 1B (hours 15.0 - 15.0)
   MATHCE206 College Preparation Essential Mathematics (hours 144.0 - 144.0)
   MATHCE255 College Preparation Algebra (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 (hours 288.0 - 288.0)
All of the following
   HSENG086 College Preparatory Composition (hours 72.0 - 72.0)
   HSMTH176 College Preparation Algebra 1A (hours 72.0 - 72.0)
   HSMTH177 College Preparation Algebra 1B (hours 72.0 - 72.0)
   HSOTH040 Introduction to Academic Pathways and Programs (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 (hours 244.0 - 244.0)
The following number of hours
   MATHCE100 Math Study Skills and Basic Skills Support (hours 100.0 - 100.0)
   MATHCE206 College Preparation Essential Mathematics (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 (hours 252.0 - 468.0)
The following number of hours
   ABE009 Academic Skills (hours 72.0 - 468.0)

HSS400 High School Equivalency Test Preparation (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: Certificate Requirements: 144 (hours are in hours) (hours 144.0 - 144.0)

The following number of hours
 HSS401 High School Equivalency Test Preparation Mathematics (hours 72.0 - 72.0)
 HSS402 High School Equivalency Test Preparation Writing (hours 72.0 - 72.0)
 HSS403 High School Equivalency Test Preparation Reading (hours 72.0 - 72.0)
 HSS404 High School Equivalency Test Preparation Science (hours 72.0 - 72.0)
 HSS405 High School Equivalency Test Preparation Social Science (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 (hours 2304.0 - 2304.0)

All of the following
 Certificates Requirements: 2,304 hours (hours are in hours) (hours 0.0 - 0.0)
 ENGLISH: 576 hours. Required courses: Must include one (1) of the following composition courses: (hours 72.0 - 72.0)
 The following number of hours
 HSENG083 Composition 1 (hours 72.0 - 72.0)
 HSENG084 Composition 2 (hours 72.0 - 72.0)
 HSENG085 Composition 3 (hours 72.0 - 72.0)
 HSENG086 College Preparatory Composition (hours 72.0 - 72.0)
 Electives: 504 hours (hours are in hours) (hours 504.0 - 504.0)
 The following number of hours
 HSENG020 Literature Brought to Life (hours 72.0 - 72.0)
 HSENG030 AP English 1A (hours 72.0 - 72.0)
 HSENG050 English Through Literature 11B (hours 72.0 - 72.0)
 HSENG051 English Through Literature 12B (hours 72.0 - 72.0)
 HSENG052 English Language Arts 1 (hours 72.0 - 72.0)
 HSENG053 English Language Arts 2 (hours 72.0 - 72.0)
 HSENG063 English Through Literature 11A (hours 72.0 - 72.0)
 HSENG064 English Through Literature 12A (hours 72.0 - 72.0)
 HSENG066 English Fundamentals 2 (hours 72.0 - 72.0)
 HSENG067 English Fundamentals 3 (hours 72.0 - 72.0)
 HSENG068 English Fundamentals 4 (hours 72.0 - 72.0)
 HSENG070 The Short Story (hours 72.0 - 72.0)
 HSENG072 Poetry (hours 72.0 - 72.0)
 HSENG076 The Novel (hours 72.0 - 72.0)
 HSENG098 Building Vocabulary 3 (hours 72.0 - 72.0)
 HSENG201 Survey of English Level 1 (hours 72.0 - 72.0)
 HSENG202 Survey of English Level 2 (hours 72.0 - 72.0)
 HSENG203 Survey of English Level 3 (hours 72.0 - 72.0)
 HSENG204 Survey of English Level 4 (hours 72.0 - 72.0)
 HSRDG089 Reading Proficiency Development (hours 72.0 - 72.0)
 HSRDG090 Reading Improvement (hours 72.0 - 72.0)

HSRDG093 Building Reading Skills 1 (hours 72.0 - 72.0)
 HSRDG094 Building Reading Skills 2 (hours 0.0 - 0.0)
 NATURAL SCIENCES: 288 hours. Must include one (1) of the following biological science courses: (hours 72.0 - 72.0)
 The following number of hours
 HSSCI168 Life Science 1 (hours 72.0 - 72.0)
 HSSCI169 Life Science 2 (hours 72.0 - 72.0)
 HSSCI193 Basic Science 2 (hours 72.0 - 72.0)
 Must include one (1) of the following physical science courses: 72 hours (hours are in hours) (hours 72.0 - 72.0)
 The following number of hours
 HSSCI100 Chemistry 1B (hours 72.0 - 72.0)
 HSSCI184 Chemistry 1A (hours 72.0 - 72.0)
 HSSCI190 Physical Science 1 (hours 72.0 - 72.0)
 HSSCI191 Physical Science 2 (hours 72.0 - 72.0)
 HSSCI192 Basic Science 1 (hours 72.0 - 72.0)
 Electives: 144 hours (hours are in hours) (hours 144.0 - 144.0)
 The following number of hours
 HSSCI182 Physiology 1A (hours 72.0 - 72.0)
 HSSCI183 Physiology 1B (hours 72.0 - 72.0)
 HSSCI196 Health Science (hours 72.0 - 72.0)
 SOCIAL AND BEHAVIORAL SCIENCES: 432 hours. Must include both of the following US History courses: (hours 144.0 - 144.0)
 The following number of hours
 HSSOC218 U.S. History 1: Colonization to Industrialization (hours 72.0 - 72.0)
 HSSOC219 U.S. History 2: The Shaping of Modern America (hours 72.0 - 72.0)
 Must include both of the following courses: 144 hours (hours are in hours) (hours 144.0 - 144.0)
 The following number of hours
 HSSOC215 Introduction to Economics (hours 72.0 - 72.0)
 HSSOC222 Government 1: United States Federal Government and Politics (hours 72.0 - 72.0)
 Must include both of the following World History courses: 144 hours (hours are in hours) (hours 144.0 - 144.0)
 The following number of hours
 HSSOC229 World History, Geography, and Culture 1 (hours 72.0 - 72.0)
 HSSOC230 World History, Geography, and Culture 2 (hours 72.0 - 72.0)
 Electives: (hours are in hours) (hours 0.0 - 0.0)
 The following number of hours
 HSSOC216 World Cultures 1A (hours 72.0 - 72.0)
 HSSOC217 World Cultures 1B (hours 72.0 - 72.0)
 HUMANITIES: 144 hours (hours are in hours) (hours 144.0 - 144.0)
 The following number of hours
 HSART020 Literature Brought to Life (hours 72.0 - 72.0)
 HSART070 Short Stories (hours 72.0 - 72.0)
 HSART828 Understanding America Through Art (hours 72.0 - 72.0)
 HSART837 The Film As Art (hours 72.0 - 72.0)
 HSART845 Drawing and Painting 1 (hours 72.0 - 72.0)
 HSART846 Drawing and Painting 2 (hours 72.0 - 72.0)
 MATHEMATICS: 288 hours (hours are in hours) (hours 288.0 - 288.0)
 The following number of hours
 HSMTH101 Introduction to Calculus 1A (hours 72.0 - 72.0)
 HSMTH102 Introduction to Calculus 1B (hours 72.0 - 72.0)
 HSMTH120 Integrated Math 1A (hours 0.0 - 0.0)
 HSMTH121 Integrated Math 1B (hours 0.0 - 0.0)
 HSMTH122 Integrated Math 2A (hours 0.0 - 0.0)
 HSMTH123 Integrated Math 2B (hours 0.0 - 0.0)
 HSMTH124 Integrated Math 3A (hours 0.0 - 0.0)
 HSMTH125 Integrated Math 3B (hours 0.0 - 0.0)
 HSMTH154 Pre-Algebra A (hours 72.0 - 72.0)

HSMTH155 Pre-Algebra B (hours 72.0 - 72.0)
HSMTH156 Essential Mathematics 1 (hours 72.0 - 72.0)
HSMTH157 Essential Mathematics 2 (hours 72.0 - 72.0)
HSMTH159 Math Fundamentals 2 (hours 72.0 - 72.0)
HSMTH161 Introduction to Trigonometry 1A (hours 72.0 - 72.0)
HSMTH163 Algebra 1A (hours 72.0 - 72.0)
HSMTH164 Algebra 1B (hours 72.0 - 72.0)
HSMTH165 Algebra 2A (hours 72.0 - 72.0)
HSMTH166 Algebra 2B (hours 72.0 - 72.0)
HSMTH167 Geometry A (hours 72.0 - 72.0)
HSMTH168 Geometry B (hours 72.0 - 72.0)
HSMTH176 College Preparation Algebra 1A (hours 72.0 - 72.0)
HSMTH177 College Preparation Algebra 1B (hours 72.0 - 72.0)
HSMTH180 Introduction to Trigonometry 1B (hours 72.0 - 72.0)
MATHCE255 College Preparation Algebra (hours 144.0 - 144.0)
MATHCE206 College Preparation Essential Mathematics (hours 144.0 - 144.0)
ELECTIVE COURSES: 576 hours (hours are in hours) (hours 576.0 - 576.0)
The following number of hours
ABE009 Academic Skills (hours 72.0 - 72.0)
ABE023 Adult Basic Education Reading (hours 72.0 - 72.0)
ABE024 Adult Basic Education Writing (hours 72.0 - 72.0)
ABE025 Adult Basic Education Mathematics (hours 72.0 - 72.0)
ABE026 Adult Basic Education Spelling (hours 72.0 - 72.0)
HSOTH050 Basics of Leadership Part 1 (hours 36.0 - 36.0)
HSOTH202 Basics of Leadership Part 2 (hours 36.0 - 36.0)
HSOTH505 Spanish 2A (hours 72.0 - 72.0)
HSOTH510 Spanish 2B (hours 72.0 - 72.0)
HSOTH513 Spanish 4A (hours 72.0 - 72.0)
HSOTH514 Spanish 4B (hours 72.0 - 72.0)
HSS338 Workforce Preparation (hours 15.0 - 15.0)
HSS770 Orientation to College (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 (hours 648.0 - 648.0)
The following number of hours
ABE009 Academic Skills (hours 288.0 - 288.0)
HSGED031 GED Test Preparation (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 (hours 72.0 - 72.0)
The following number of hours
HSOTH050 Basics of Leadership Part 1 (hours 36.0 - 36.0)
HSOTH202 Basics of Leadership Part 2 (hours 36.0 - 36.0)
Control Number: 33942

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 (hours 174.0 - 174.0)
All of the following
Certificate Requirements: (hours 174.0 - 174.0)
All of the following
HSENG083 Composition 1 (hours 72.0 - 72.0)
HSENG086 College Preparatory Composition (hours 72.0 - 72.0)
HSS600 Test Preparation (hours 30.0 - 30.0)
Control Number: 36211

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 (hours 120.0 - 120.0)
All of the following
Certificate Requirements: (hours 120.0 - 120.0)
The following number of hours
VBUS101 3D Modeling using Blender (hours 60.0 - 60.0)
VBUS130 3D Printing (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 (hours 180.0 - 180.0)
All of the following
Certificate Requirements: (hours 180.0 - 180.0)
The following number of hours
VBUS119 Keyboarding and Basic Windows (hours 60.0 - 60.0)
VBUS260 Introduction to Word Processing using MS Word (hours 60.0 - 60.0)
WKPR500 Workforce Readiness (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 (hours 180.0 - 180.0)

All of the following
    Certificate Requirements: (hours 180.0 - 180.0)
    The following number of hours
        VBUS014 Social Media (hours 60.0 - 60.0)
        VBUS150 Digital Marketing (hours 60.0 - 60.0)
        VBUS152 Digital Marketing Analytics (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 (hours 120.0 - 120.0)
All of the following
    Certificate Requirements: (hours 120.0 - 120.0)
    All of the following
        VFOTO100 How to Fly a Drone (hours 60.0 - 60.0)
        VFOTO101 Drone Photography and Video (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 (hours 360.0 - 360.0)
All of the following
    Certificate Requirements: (hours 360.0 - 360.0)
    The following number of hours
        VBUS013 MS Outlook (hours 60.0 - 60.0)
        VBUS260 Introduction to Word Processing using MS Word (hours 60.0 - 60.0)
        VBUS261 MS Access (hours 60.0 - 60.0)
        VBUS262 MS Excel (hours 60.0 - 60.0)
        VBUS304 MS PowerPoint (hours 60.0 - 60.0)
        WKPR500 Workforce Readiness (hours 60.0 - 60.0)
  Control Number: 24426

First-Line Supervisor/Manager, Office & Administrative Support Workers, CC
Certificate of Completion

The Certificate of Completion in First-Line Supervisor/Manager, Officeand 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 (hours 300.0 - 300.0)
All of the following
    Certificate Requirements: (hours 300.0 - 300.0)
    All of the following
        VBUS103 MS Project (hours 60.0 - 60.0)
        VBUS118 Microsoft Windows Overview (hours 60.0 - 60.0)
        VBUS260 Introduction to Word Processing using MS Word (hours 60.0 - 60.0)
        VBUS262 MS Excel (hours 60.0 - 60.0)
        VBUS304 MS PowerPoint (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 (hours 396.0 - 396.0)
All of the following
    Certificate Requirements: (hours 396.0 - 396.0)
    All of the following
        VBUS118 Microsoft Windows Overview (hours 60.0 - 60.0)
        VBUS119 Keyboarding and Basic Windows (hours 60.0 - 60.0)
        VBUS140 Google Applications (hours 60.0 - 60.0)
        VBUS258 Navigating the Internet (hours 36.0 - 36.0)
        VBUS260 Introduction to Word Processing using MS Word (hours 60.0 - 60.0)
        VBUS262 MS Excel (hours 60.0 - 60.0)
        WKPR500 Workforce Readiness (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 (hours 240.0 - 240.0)
All of the following
    Certificate Requirements: (hours 180.0 - 180.0)
    All of the following
        VBUS014 Social Media (hours 60.0 - 60.0)
        VBUS030 Home-Based Business (hours 60.0 - 60.0)
        VBUS040 Accounting for Non-Accountants (hours 60.0 - 60.0)
    Electives - select one (1) course: (hours 60.0 - 60.0)
    The following number of hours
        VBUS035 Generative AI for Small Business (hours 60.0 - 60.0)
        VBUS097 eCommerce (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 (hours 300.0 - 300.0)

All of the following
    Certificate Requirements: (hours 300.0 - 300.0)
    All of the following
        VBUS096 Digital Photography (hours 60.0 - 60.0)
        VBUS101 3D Modeling using Blender (hours 60.0 - 60.0)
        VBUS105 3D Animation using Blender (hours 60.0 - 60.0)
        VBUS109 Adobe Premiere Video Editing (hours 60.0 - 60.0)
        VBUS120 Adobe Animate (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 (hours 156.0 - 156.0)
The following number of hours
    Certificate Requirements: (hours 96.0 - 96.0)
    All of the following
        VBUS258 Navigating the Internet (hours 36.0 - 36.0)
        WKPR500 Workforce Readiness (hours 60.0 - 60.0)
    Electives: (hours 60.0 - 60.0)
    The following number of hours
        VBUS121 Computer Applications Basics (hours 60.0 - 60.0)
        VBUS257 Seminar in Business Applications (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 (hours 48.0 - 48.0)
The following number of hours
    VDOG020 Concepts in Dog Training (hours 12.0 - 12.0)
    VDOG030 Practical Dog Training (hours 36.0 - 36.0)
  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 (hours 100.0 - 100.0)
The following number of hours
    VWHS010 Warehouse Worker (hours 40.0 - 40.0)
    WKPR500 Workforce Readiness (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 (hours 300.0 - 300.0)
All of the following
    Certificate Requirements: (hours 300.0 - 300.0)
    The following number of hours
        VBUS010 Adobe Dreamweaver (hours 60.0 - 60.0)
        VBUS107 Seminar in Adobe Tools (hours 60.0 - 60.0)
        VBUS242 Adobe Illustrator (hours 60.0 - 60.0)
        VBUS302 HTML Basics (hours 60.0 - 60.0)
        VBUS303 Adobe Photoshop (hours 60.0 - 60.0)
  Control Number: 24420

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 (hours 120.0 - 120.0)
All of the following
    Certificate Requirements: (hours 120.0 - 120.0)
    The following number of hours
        VBUS160 Financial Services and Investments (hours 60.0 - 60.0)
        VBUS161 Bitcoin and Digital Assets (hours 60.0 - 60.0)
  Control Number: 41165

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 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 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 (hours 48.0 - 48.0)
All of the following
    Certificate Requirements: (hours 48.0 - 48.0)
    All of the following
        VPS100 Unarmed Public Safety and Security Officer I (hours 32.0 - 32.0)
        VPS101 Unarmed Public Safety and Security Officer II (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 (hours 340.0 - 340.0)
The following number of hours
  VCLTH477 Fundamentals of Commercial Sewing (hours 180.0 - 180.0)
  VCLTH483 Introduction to Commercial Sewing (hours 160.0 - 160.0)
 Control Number: 24146

VOCATIONAL CONSTRUCTION CARPENTER

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 (hours 360.0 - 360.0)
The following number of hours
  VCNST859 Introduction to Cabinetry/Furniture Refinishing Pre-Apprentice (hours 180.0 - 180.0)
  VCNST953 Fundamentals of Cabinetry/Furniture Refinishing, Pre-Apprentice (hours 180.0 - 180.0)
 Control Number: 24097

VOCATIONAL CONSTRUCTION LABORER

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 (hours 360.0 - 360.0)
The following number of hours
  VCNST608 Introduction to Welding, Pre-Apprentice (hours 180.0 - 180.0)
  VCNST611 Fundamentals of Welding, Pre-Apprentice (hours 180.0 - 180.0)
 Control Number: 24037

VOCATIONAL MEDICAL

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 (hours 66.0 - 66.0)
All of the following
  Certificate Requirements: (hours 66.0 - 66.0)
  All of the following
    VMED030 Introduction to Caregiving (hours 24.0 - 24.0)

VMED031 Caregiver Training (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 (hours 80.0 - 80.0)
The following number of hours
  VMED050 Introduction to Healthcare Occupations (hours 60.0 - 60.0)
  VMED051 Healthcare Support Worker Pathways (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 (hours 48.0 - 48.0)
All of the following
  Certificate Requirements: (hours 48.0 - 48.0)
  All of the following
    VMED060 Home Health Aide (HHA) Theory Training for Certified Nurse Assistants (C.N.A) (hours 24.0 - 24.0)
    VMED061 Home Health Aide (HHA) Clinical Training for Certified Nurse Assistants (C.N.A) (hours 24.0 - 24.0)
 Control Number: 37806

Medical Assistant, CC
Certificate of Completion
The Medical Assistant Certificate is designed to provide thehands-on training,practical experience, and industry support it takes to pursue a professional healthcare career. The program includespractical, real-world experience working with knowledgeable medical professionals and making important industry connections. An emphasis is placed onpreparing the student to pass the examination to become a Registered Medical Assistant (RMA).
Program Rules: Medical Assistant, CC (hours 730.0 - 730.0)
The following number of hours
  VMED020 Overview of the Medical Assistant Training Program (hours 10.0 - 10.0)
  VMED021 Medical Terminology for Medical Assistants (hours 60.0 - 60.0)
  VMED022 Business Procedures for Medical Assistants (hours 180.0 - 180.0)
  VMED023 Body Systems for Medical Assistants (hours 60.0 - 60.0)
  VMED024 Human Diseases and Disorders for Medical Assistants (hours 60.0 - 60.0)
  VMED025 Clinical Procedures for Medical Assistants (hours 120.0 - 120.0)
  VMED026 Surgical Assisting for Medical Assistants (hours 90.0 - 90.0)
  VMED027 Externship for Medical Assistants (hours 150.0 - 150.0)

Non-Credit Programs

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 (hours are in hours) (hours 240.0 - 240.0)
The following number of hours
    VBUS119 Introduction to Keyboarding and Basic Windows (hours 60.0 - 60.0)
    VMED090 Introduction to Medical Coding (hours 60.0 - 60.0)
    VMED091 Introduction to Medical Billing (hours 60.0 - 60.0)
    WKPR500 Workforce Readiness (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 (hours 222.0 - 222.0)
All of the following
    Certificate Requirements: (hours 222.0 - 222.0)
    All of the following
        VMED070 Acute Care Theory for Nurse Assistants (hours 90.0 - 90.0)
        VMED071 Acute Care Practice for Nurse Assistants (hours 132.0 - 132.0)
  Control Number: 37805

Nursing Assistant, CC
Certificate of Completion

The Certificate of Completion inNursing 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 (hours 250.0 - 250.0)
The following number of hours
    VMED010 Overview of the Nursing Assistant Training Program (hours 10.0 - 10.0)
    VMED011 Certified Nursing Assistant (CNA) Training (hours 240.0 - 240.0)
  Control Number: 36213

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 (hours 48.0 - 48.0)
The following number of hours
    VMED080 Introduction to the Behavior Technician Program (hours 24.0 - 24.0)
    VMED081 Behavior Technician Certification Training (hours 24.0 - 24.0)
  Control Number: 38398

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 (hours 96.0 - 96.0)
All of the following
    Certificate Requirements: (hours 96.0 - 96.0)
    All of the following
        VMED100 Lactation Educator Specialist I (hours 24.0 - 24.0)
        VMED101 Lactation Educator Specialist II (hours 24.0 - 24.0)
        VMED102 Lactation Consultant Education (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 (hours are in hours) (hours 48.0 - 48.0)
All of the following
    Certificate Requirements: (hours 48.0 - 48.0)
    All of the following
        VMED100 Lactation Educator Specialist I (hours 24.0 - 24.0)
        VMED101 Lactation Educator Specialist II (hours 24.0 - 24.0)
  Control Number: 42387

VOCATIONAL CONSTRUCTION REAL ESTATE

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 (hours 234.0 - 234.0)
All of the following
   Certificate Requirements: (hours 180.0 - 180.0)
   All of the following
      VRE102 Real Estate Principles (hours 54.0 - 54.0)
      VRE105 Real Estate Practice (hours 54.0 - 54.0)
      VRE153 Real Estate License Preparation (hours 54.0 - 54.0)
      VRE160 Real Estate Employability Skills (hours 18.0 - 18.0)
   Select one (1) of the following: (hours 54.0 - 54.0)
   The following number of hours
      VRE103 Legal Aspects of Real Estate (hours 54.0 - 54.0)
      VRE106 Real Estate Finance (hours 54.0 - 54.0)
      VRE110 Real Estate Economics (hours 54.0 - 54.0)
      VRE112 Real Property Management (hours 54.0 - 54.0)
      VRE151 Fundamentals of Escrow (hours 54.0 - 54.0)
 Control Number: 43319

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 (hours 180.0 - 180.0)
The following number of hours
   WKPR012 Applying Reading Skills on the Job (hours 60.0 - 60.0)
   WKPR013 Applying Writing Skills on the Job (hours 60.0 - 60.0)
   WKPR017 Applying Math Skills on the Job (hours 60.0 - 60.0)
 Control Number: 36370

VOCATIONAL

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 (hours 300.0 - 300.0)
The following number of hours
   WKPR007 Social Skills and Necessary Etiquette (hours 60.0 - 60.0)
   WKPR010 Customer Service for the Medical Field (hours 60.0 - 60.0)
   WKPR016 Long Term Competitive Employment Training (hours 180.0 - 180.0)
 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 (hours 72.0 - 72.0)
The following number of hours
   WKPR600 Attitudes for Success (hours 36.0 - 36.0)
   WKPR601 Money Matters (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 of 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 of 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 of Enrollment:
Lecture Hours: 0

ABE023
Adult Basic Education Reading
Instructs students in basic reading and functional literacyskills. 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 of Enrollment:
Lecture Hours: 72

ABE024
Adult Basic Education Writing
Instructs students in basic writing and functional literacyskills. 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 of 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 of 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 of Enrollment:
Lecture Hours: 72

ADULTS WITH SPECIAL NEEDS

WKPR001
Transition to Higher Learning
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 of Enrollment:
Lecture Hours: 32

WKPR002
Self-Advocacy
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 of Enrollment:
Lecture Hours: 60

WKPR003
Getting Around Town
A class designed for students to enhance independence by introduction to safe practices and knowledge about using public transportation. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR004
Choosing the Right Employment Path
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 of Enrollment:
Lecture Hours: 60

WKPR005
Safety on the Job
This course is designed to introduce students to personal safety awareness. Student will be presented with proactive steps to take to avoid dangerous situations in the community, on the job, and at home. Students will be presented with basic techniques for self-defense and first aid. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR006
Communication Skills for Successful Employment
This course is designed to help students improve communication skills related to employment. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR007
Social Skills and Necessary Etiquette
This course is designed to introduce students with an overview of

appropriate social skills at school, work, and in the community. Various areas of social skill challenges and coping strategies will be taught and explored through examples in their own lives and through instructional materials. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR008
Building Critical Thinking Skills
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 of Enrollment:
Lecture Hours: 60

WKPR009
Beginning Computers
Provides students with introductory instruction in keyboarding by touch and develop for basic computer applications such as, but not limited to, Windows, word processing, data entry, PowerPoint, email, and Internet navigation.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR010
Customer Service for the Medical Field
This course is intended to prepare students in acquiring or improving critical thinking, communication skills, and basic clerical skills necessary to work independently in a variety of hospital departments.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR011
Introduction to Handling Money
This course is designedto introduce the skills necessary for accurate money exchanges. Students will learn how to count money, give correct amounts of money for purchases, and make change. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR012
Applying Reading Skills on the Job
This course is designed to increase reading comprehension skills necessary for successful employment. Open Entry/Open Exit.

Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR013
Applying Writing Skills on the Job
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 of Enrollment:
Lecture Hours: 60

WKPR014
Basic Finances in the Workforce
This is an introductory course to teach students how to manage and maintain a budget for payroll services.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 32

WKPR015
Public Communications
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 of Enrollment:
Lecture Hours: 32

WKPR016
Long Term Competitive Employment Training
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 of Enrollment:
Lecture Hours: 180

WKPR017
Applying Math Skills on the Job
This course is designed to increase students' mathematical reasoning skills necessary for successful employment.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR018
Social Media and Online Safety in the Workplace
This course is designed to provide students with the knowledge to increase personal and professional safety while online, creating, and maintaining social media accounts.
Transferability: Not transferable
Entrance Skills: None

Non-Credit Courses

Limitations of Enrollment:
Lecture Hours: 60

WKPR019
Different Communication Styles in the Workforce
Provides students with new vocabulary to enhance collaboration in the workplace.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:

Lecture Hours: 60

WKPR020
Different Cultures in the Workplace
Provides students with an overview of how different cultures create diversity in the workplace.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR021
Introduction to Working Remotely
This course is designed to provide students with a basic overview of introductory skills to successfully work remotely.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 40

WKPR022
Soft Skills Necessary for Employees Who Work Remotely
This course is designed to provide students with an overview of the soft skills to successfully work remotely.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 40

WKPR023
Introduction to AI in the Workforce
Provides students with a very basic understanding of AI to enhance their skills in the workforce.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 40

WKPR024
Introduction to Applications of AI in the Workforce
Provides an introduction to applications of AI that can be used in the workforce.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of Enrollment:

Lecture Hours: 40

WKPR103
Strategies for Instructing Students with Disabilities
This course is designed to provide students with instructional strategies to meet the needs of a diverse classroom.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 40

CHILD DEVELOPMENT/EARLY CARE EDUCATION

PRNT532
Effective Parenting
Provides parents with an overview of child development milestones. Includes varied strategies for problem solving, effective communication, positive discipline and child-centered activities. Raises awareness of substance abuse, gangs, suicide, and peer pressure. Encourages parents to take an active role to ensure the academic success, health and safety, and social well-being of their children.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 27

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 of 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 of Enrollment:
Lecture Hours: 27

COUNSELING & 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 of Enrollment:

Lecture Hours: 3

VOCATIONAL CUSTODIAN

VCST101
Custodial Technician
Prepares students for employment in custodial services. This course provides essential training forcustodial workin a privateand public facility. Students will learn safety standardsset 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 of 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 of 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 of 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 concern to English as a Second Language students. Students will use teamwork and communication skills to enhance learning. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 72

ESL260
Seminar for Intermediate ESL Students
Provides instruction in intermediate English language skills (reading, writing, listening, speaking) on topics of concern to English as a Second Language students. Students will use teamwork and communication skills to enhance learning. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 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 of Enrollment:
Lecture Hours: 216

ESL500
Intermediate Multilevel
Provides instruction for students in various levels of intermediate English proficiency. Emphasizes creative oral language activities, introductory critical thinking skills, and academic writing tasks. Recommended for students in Intermediate Low and Intermediate High ESL levels. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of Enrollment:
Lecture Hours: 96-216

ESL520
English for Work 2
Prepares intermediate level non-native English speaking students to enter the workforce or a vocational program for general or specific occupations. Focuses on communicating in the workplace, job safety, work-related vocabulary skills, workplace culture/issues, career pathways, and vocational readings with an emphasis on verbal communication through intermediate language skills instruction. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 96-216

ESL606
Computer Skills for ESL Students
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: ESL 606, Interactive Language Training (Fall 2023)
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of 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 of 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 of 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 of 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 di_erences 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 of Enrollment:
Lecture Hours: 72-144

ESL WRITING

ESL010
ESL Writing
Introduces non-native English speakers to an overview of the writing process including activities to improve student composition skills. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:

Lecture Hours: 72

ESL601
Advanced Grammar and 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 learning to edit. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 96

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 thestudents for ServSafe Food Handler Certification. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 theServSafe® Food Protection Manager Certification. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 72

GERENTOLOGY

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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None

Limitations of 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: Not transferable
Entrance Skills: None
Limitations of 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: Not transferable
Entrance Skills: None
Limitations of Enrollment:

Lecture Hours: 72

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 of 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 of 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 of 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 of 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 of Enrollment:
Lecture Hours: 36-72

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: Not transferable
Entrance Skills: None
Limitations of 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 of 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 of Enrollment:
Lecture Hours: 72

HIGH SCHOOL DIPLOMA/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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 polynomialapproximations. 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 of 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 of Enrollment:
Lecture Hours: 72

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 of 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 of 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 of 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 of 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 of 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 of Enrollment:
Lecture Hours: 72

Non-Credit Courses

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 of 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 of 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 of 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 of 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 of Enrollment:
Lecture Hours: 72

HSMTH158
Math Fundamentals 1
Introduces students to basic math skills including whole numbers, fractions, and decimals. Open Entry/Open Exit. 5 HS credits.
Transferability: Not transferable

Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 72

HSMTH159
Math Fundamentals 2
Provides instruction in the areas of decimals, percents, measurements, formulas, equations, 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment:
Lecture Hours: 36

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 of 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 of 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 of 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 of 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 of 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 of 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 arenecessary 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 of 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 of 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 of 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 of 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 of 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 of Enrollment:
Lecture Hours: 72

Non-Credit Courses

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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment:
Lecture Hours: 72

HSSOC230
World History, Geography, and Culture 2
Relates the human story by reviewing perspectives on specific historical events in the context of a broad world view. The historical time frame begins with World War I and continues through to the present including modern industrialization and globalization. Open Entry/Open Exit. 5 HS credits.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

VBUS012
Workforce Readiness

Provides instruction in office skills for employment preparation. Students will learn communication, decision-making, interpersonal, leadership, lifelong learning, and job seeking skills. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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, 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 of 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, Twitter, wikis, blogs, 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 of 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 of 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 schedules, generating images for logos, 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 of 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 of Enrollment:
Lecture Hours: 60

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 of Enrollment:
Lecture Hours: 60

VBUS097
eCommerce
Provides introductory instruction to online commerce on the Internet. 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 of 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, animation and modeling features, surfaces, and textures, and uses. Open Entry / Open Exit.

Former Title: Introduction to 3D Modeling using Blender (Fall 2023)
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of 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 of 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 usingBlender's tools and timeline, e.g., trajectory, lighting, bones, and movements. 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 of Enrollment:
Lecture Hours: 60

VBUS107
Seminar in Adobe Tools
Explores and provides instruction in evolving Creative Cloudapplications for the personal computersuch asdesign, web, and video/audio tools. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of 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 of 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 of 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, and simple Accessory programs, such as WordPad, Character Map, Calculator, and Paint. Scanning and working with simple graphics is 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 of 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 of 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 of 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 various components of the 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 of Enrollment:
Lecture Hours: 60

VBUS140
Google Applications
This course provides an overview of Google Applications, acollection 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 of 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. 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 of 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 of 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 of Enrollment:
Lecture Hours: 60

VBUS161
Bitcoin and Digital Assets
Provides an introduction to Bitcoin and other digital assets. An emphasis is placed on 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 of 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 of Enrollment:
Lecture Hours: 60

VBUS257
Seminar in Business Applications
Explores and provides instruction in evolving standard software applications commonly used in business.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

VBUS258
Navigating the Internet
Introduces students to the Internet. Topics include types of Internet connections, e-mail, research, and data retrieval techniques. Open entry / Open exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 36

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 of Enrollment:
Lecture Hours: 60

VBUS261
MS Access
Provides instruction in basic conceptsaddressing 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 of 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 of Enrollment:
Lecture Hours: 60

VBUS302
HTML Basics
Provides introductory instruction to web page development. Topics include web page design elements: HTML; 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
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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment:
Lecture Hours: 40

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: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 32

VOCATIONAL PROTECTIVE SERVICES

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: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 16

Santiago Canyon College

VOCATIONAL CLOTHING

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 of 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 of Enrollment:
Lecture Hours: 160

VOCATIONAL CONSTRUCTION

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 of 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 of Enrollment:

Lecture Hours: 180

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 of 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 of Enrollment:
Lecture Hours: 180

VOCATIONAL MEDICAL

VMED010
Overview of the Nursing Assistant Training Program
This course is designed to provide an introduction to the clinical and theoretical requirements for the Certified Nursing Assistant (CNA) Training Program. All students enrolled in this class participate in CPR education/simulation. Students have the option to obtain their CPR certification from another provider, should they choose to do so.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 10

VMED011
Certified Nursing Assistant (CNA) Training
Designed for students who want to become Certified Nursing Assistants (CNA), this course includes theory and clinical segments designed to prepare them to complete the CNA certification and potentially seek employment as entry-level healthcare assistants. Upon completion, the student will be prepared to take the California certification exam. Students must complete all lecture hours and clinical training hours to be eligible to take the certification exam.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 240

VMED020
Overview of the Medical Assistant Training Program
Designed for students interested in becoming medical assistants, this course provides an overview of the areas of study in the medical assistant training program, including medical terminology, body systems, human diseases, clinical procedures, microbiology and surgical assisting. An emphasis is placed on the required coursework to take the exam to become a Registered Medical Assistant (RMA).
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of 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 of Enrollment:
Lecture Hours: 180

VMED023
Body Systems for Medical Assistants
Designed for students interested in becoming medical assistants, this course covers the systems of the human body. Students will learn about cell structure and special senses, the endocrine system, the skeletal system, the muscular system, the integumentary system, the circulatory system, the respiratory system, the nervous system, the digestive system, the urinary and the reproductive systems.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

VMED024
Human Diseases and Disorders for Medical Assistants
Designed for students interested in becoming medical assistants, this course is 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.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of Enrollment:
Lecture Hours: 120

VMED026
Surgical Assisting 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 of 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 of Enrollment:
Lecture Hours: 150

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 of 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 of Enrollment:
Lecture Hours: 42

VMED050
Introduction to Healthcare Occupations
This course is designed for students interested in pursuing a career in healthcare. An overview will be provided of various healthcare occupations including: audiologist, cardiovascular technologist, dental assistant, dental hygienist, diagnostic medical sonographer, electrocardiograph technician, emergency medical technician, health information technician, medical records technician, medical assistant, nurse, nurse assistant, mental health technician, occupational therapist, pharmacy technician, phlebotomist, physical therapist, radiographer, and respiratory care therapist. Students will learn the duties and benefits of these careers as well as the academic and clinical requirements necessary to work in each position. Open Entry/Open Exit.

Non-Credit Courses

Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

VMED051
Healthcare Support Worker Pathways
Designed for students who are preparing to enter a healthcare occupation, this class provides instruction on how to identify and follow a pathway to a career in healthcare. Topics include noncredit to credit academic pathways, noncredit to workforce pathways, and applying for employment as a healthcare support worker.Students will prepare a job-specific application for a healthcare career of their choice. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 20

VMED060
Home Health Aide (HHA) Theory Training for Certified Nurse Assistants (C.N.A)
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 of Enrollment:
Lecture Hours: 24

VMED061
Home Health Aide (HHA) Clinical Training for Certified Nurse Assistants (C.N.A)
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 of Enrollment:
Lecture Hours: 24

VMED070
Acute Care Theory for Nurse Assistants
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 of 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 of Enrollment:
Lecture Hours: 132

VMED080
Introduction to the Behavior Technician Program
The behavior technician progra
Transferability: Not transferable
Entrance Skills: None
Limitations of 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).
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 24

VMED090
Introduction to Medical Coding
Introduces the student to concepts of medical coding that can be combined with medical billing by using coding knowledge and skills that align with the medical billing workflow. Topics covered are: Learning medical coding fundamentals 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 learn legal, ethical and reimbursement issues as it relates to medical coding.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of Enrollment:
Lecture Hours: 60

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 of 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.
Former Title: VMED 101, Lactation Educator Specialist (Summer 2024)
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of Enrollment:
Lecture Hours: 48

VOCATIONAL REAL ESTATE

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.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of 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.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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.
Transferability: Not transferable
Entrance Skills: None
Limitations of 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 of 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.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 54

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 of Enrollment:
Lecture Hours: 18

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 of Enrollment:
Lecture Hours: 40

WKPR101
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.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 40

WKPR500
Workforce Readiness
Provides instruction in office skills for employment preparation. Students will learn communication, decision-making, interpersonal, leadership, lifelong learning, and job seeking skills.Open Entry/Open Exit.
Previous Title: Vocational Business 012, Workforce Readiness (2018)
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 60

WKPR600
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.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills: None
Limitations of Enrollment:
Lecture Hours: 36

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 of 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 of Enrollment:
Lecture Hours: 32

APPRENTICESHIP PROGRAMS

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 (units 25.5 - 26.0)
All of the following
Major requirements: (units 19.5 - 19.5)
The following number of units
ACA061A Acoustical Ceilings (units 1.5 - 1.5)
ACA062 Standard Acoustical Grids (units 1.5 - 1.5)
ACA063 Suspended Ceilings (units 1.5 - 1.5)
ACA064 Acoustical Soffits (units 1.5 - 1.5)
ACA066 Concealed/Glue-Up/Staple-Up Systems (units 1.5 - 1.5)
ACA067 Designer and Specialty Trims (units 1.5 - 1.5)
ACA068 Metal Pan and Security Systems (units 1.5 - 1.5)
ACA071A Orientation (units 2.0 - 2.0)
ACA071B Safety and Health Certifications (units 2.0 - 2.0)
ACA071C Tool/Equipment Applications (units 1.5 - 1.5)
ACA074A Print Reading (units 2.0 - 2.0)
ACA079A Drywall/Acoustical Ceilings (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 6.5)
The following number of units
ACA061B Advanced Acoustical Ceiling Layout (units 1.5 - 1.5)
ACA061C Advanced Acoustical Ceiling Installation (units 1.5 - 1.5)
ACA065 Prefab/Sound Panels (units 1.5 - 1.5)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
ACA073C Framing Curves and Arches (units 1.5 - 1.5)
ACA074B Advanced Print Reading (units 2.0 - 2.0)
ACA083 Door/Door Frames (units 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 (units 25.5 - 26.0)
All of the following
Certificate requirements: (units 19.5 - 19.5)
The following number of units
ACA061A Acoustical Ceilings (units 1.5 - 1.5)
ACA062 Standard Acoustical Grids (units 1.5 - 1.5)
ACA063 Suspended Ceilings (units 1.5 - 1.5)
ACA064 Acoustical Soffits (units 1.5 - 1.5)

ACA066 Concealed/Glue-Up/Staple-Up Systems (units 1.5 - 1.5)
ACA067 Designer and Specialty Trims (units 1.5 - 1.5)
ACA068 Metal Pan and Security Systems (units 1.5 - 1.5)
ACA071A Orientation (units 2.0 - 2.0)
ACA071B Safety and Health Certifications (units 2.0 - 2.0)
ACA071C Tool/Equipment Applications (units 1.5 - 1.5)
ACA074A Print Reading (units 2.0 - 2.0)
ACA079A Drywall/Acoustical Ceilings (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 6.5)
The following number of units
ACA061B Advanced Acoustical Ceiling Layout (units 1.5 - 1.5)
ACA061C Advanced Acoustical Ceiling Installation (units 1.5 - 1.5)
ACA065 Prefab/Sound Panels (units 1.5 - 1.5)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
ACA073C Framing Curves and Arches (units 1.5 - 1.5)
ACA074B Advanced Print Reading (units 2.0 - 2.0)
ACA083 Door/Door Frames (units 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 (units 25.5 - 26.5)
All of the following
Major requirements: (units 19.5 - 19.5)
The following number of units
ACA004C Print Reading (units 2.0 - 2.0)
ACA021A Orientation (units 2.0 - 2.0)
ACA021B Safety and Health Certifications (units 2.0 - 2.0)
ACA021E Tool/Equipment Applications (units 1.5 - 1.5)
ACA025A Foundations and Flatwork (units 1.5 - 1.5)
ACA026A Tilt-Up Panel Construction (units 1.5 - 1.5)
ACA026B Wall Forming (units 1.5 - 1.5)
ACA026C Gang Forms/Columns (units 1.5 - 1.5)
ACA026D Abutments (units 1.5 - 1.5)
ACA027C Beam and Deck Forming (units 1.5 - 1.5)
ACA027D Stairs and Ramp Forming (units 1.5 - 1.5)
ACA028A Bridge Construction (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.0)
The following number of units
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA022A Commercial Floor Framing (units 1.5 - 1.5)
ACA023B Basic Roof Framing (units 1.5 - 1.5)
ACA024A Basic Commercial Framing (units 1.5 - 1.5)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA025D Advanced Print Reading (units 2.0 - 2.0)
ACA028E Bridge Falsework (units 1.5 - 1.5)
ACA029A Rigging (units 1.5 - 1.5)
ACA029C Solar Installer Level 1 (units 1.5 - 1.5)
ACA095 Water Treatment Facilities (units 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 (units 25.5 - 26.5)
All of the following
Certificate requirements: (units 19.5 - 19.5)
The following number of units
ACA004C Print Reading (units 2.0 - 2.0)
ACA021A Orientation (units 2.0 - 2.0)
ACA021B Safety and Health Certifications (units 2.0 - 2.0)
ACA021E Tool/Equipment Applications (units 1.5 - 1.5)
ACA025A Foundations and Flatwork (units 1.5 - 1.5)
ACA026A Tilt-Up Panel Construction (units 1.5 - 1.5)
ACA026B Wall Forming (units 1.5 - 1.5)
ACA026C Gang Forms/Columns (units 1.5 - 1.5)
ACA026D Abutments (units 1.5 - 1.5)
ACA027C Beam and Deck Forming (units 1.5 - 1.5)
ACA027D Stairs and Ramp Forming (units 1.5 - 1.5)
ACA028A Bridge Construction (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.0)
The following number of units
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA022A Commercial Floor Framing (units 1.5 - 1.5)
ACA023B Basic Roof Framing (units 1.5 - 1.5)
ACA024A Basic Commercial Framing (units 1.5 - 1.5)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA025D Advanced Print Reading (units 2.0 - 2.0)
ACA028E Bridge Falsework (units 1.5 - 1.5)
ACA029A Rigging (units 1.5 - 1.5)
ACA029C Solar Installer Level 1 (units 1.5 - 1.5)
ACA095 Water Treatment Facilities (units 1.5 - 1.5)
 Control Number: 21657

Apprenticeship Carpentry, Drywall Finisher, AS
A.S. Degree Major
The Associate of Sciencedegree 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 Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.
Program Rules: Apprenticeship Carpentry, Drywall Finisher, AS (units 24.0 - 24.0)
The following number of units
ACA071A Orientation (units 2.0 - 2.0)
ACA071B Safety and Health Certifications (units 2.0 - 2.0)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
ACA074A Print Reading (units 2.0 - 2.0)
ACA076A Basic Hand Finishing (units 1.5 - 1.5)
ACA076B Automatic Finishing Tools (units 1.5 - 1.5)
ACA077A Drywall Installation/Finish Trims (units 1.5 - 1.5)
ACA077B Advanced Hand Finishing (units 1.5 - 1.5)
ACA077C Advanced Automatic Finishing Tools (units 1.5 - 1.5)
ACA078B Advanced Metal Framing (units 1.5 - 1.5)
ACA078C Wet Wall Finishes (units 1.5 - 1.5)

ACA078D Ceiling and Soffit Finishing (units 1.5 - 1.5)
ACA079A Drywall and Acoustical Ceilings (units 1.5 - 1.5)
ACA082B Firestopping Procedures (units 1.5 - 1.5)
ACA082C Decorative Trims and Textures (units 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 Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.
Program Rules: Apprenticeship Carpentry, Drywall Finisher, CA (units 24.0 - 24.0)
The following number of units
ACA071A Orientation (units 2.0 - 2.0)
ACA071B Safety and Health Certifications (units 2.0 - 2.0)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
ACA074A Print Reading (units 2.0 - 2.0)
ACA076A Basic Hand Finishing (units 1.5 - 1.5)
ACA076B Automatic Finishing Tools (units 1.5 - 1.5)
ACA077A Drywall Installation/Finish Trims (units 1.5 - 1.5)
ACA077B Advanced Hand Finishing (units 1.5 - 1.5)
ACA077C Advanced Automatic Finishing Tools (units 1.5 - 1.5)
ACA078B Advanced Metal Framing (units 1.5 - 1.5)
ACA078C Wet Wall Finishes (units 1.5 - 1.5)
ACA078D Ceiling and Soffit Finishing (units 1.5 - 1.5)
ACA079A Drywall and Acoustical Ceilings (units 1.5 - 1.5)
ACA082B Firestopping Procedures (units 1.5 - 1.5)
ACA082C Decorative Trims and Textures (units 1.5 - 1.5)
 Control Number: 21663

Apprenticeship Carpentry, Drywall/ Lather, 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, AS (units 26.0 - 26.0)
All of the following
Major requirements: (units 20.0 - 20.0)
The following number of units
ACA071A Orientation (units 2.0 - 2.0)
ACA071B Safety and Health Certifications (units 2.0 - 2.0)
ACA071C Tool/Equipment Applications (units 1.5 - 1.5)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
ACA072B Basic Lathing (units 1.5 - 1.5)
ACA073A Framing Ceilings and Soffits (units 1.5 - 1.5)
ACA073B Framing Suspended Ceilings (units 1.5 - 1.5)
ACA073C Framing Curves and Arches (units 1.5 - 1.5)
ACA074A Print Reading (units 2.0 - 2.0)
ACA074B Advanced Print Reading (units 2.0 - 2.0)

Apprenticeship Programs

ACA075A Light Gage Welding AWS - A (units 1.5 - 1.5)
ACA083 Door and Door Frames (units 1.5 - 1.5)
Select six (6) units from the following: (units 6.0 - 6.0)
The following number of units
ACA072C Advanced Lathing (units 1.5 - 1.5)
ACA074C Air, Moisture and Thermal Barrier (units 1.5 - 1.5)
ACA075B Light Gage Welding LAC (units 1.5 - 1.5)
ACA075C Light Gage Welding AWS - B (units 1.5 - 1.5)
ACA076A Basic Hand Finishing (units 1.5 - 1.5)
ACA076B Automatic Finishing Tools (units 1.5 - 1.5)
ACA077A Drywall Installation/Finish Trims (units 1.5 - 1.5)
ACA077B Advanced Hand Finishing (units 1.5 - 1.5)
ACA077C Advanced Automatic Finishing Tools (units 1.5 - 1.5)
ACA078B Advanced Metal Framing (units 1.5 - 1.5)
ACA078C Wet Wall Finishes (units 1.5 - 1.5)
ACA078D Ceiling and Soffit Finishing (units 1.5 - 1.5)
ACA079A Drywall and Acoustical Ceilings (units 1.5 - 1.5)
ACA079C Drywall Applications (units 1.5 - 1.5)
ACA082B Firestopping Procedures (units 1.5 - 1.5)
ACA082C Decorative Trims and Textures (units 1.5 - 1.5)
ACA089 Freeform Lathing (units 1.5 - 1.5)
 Control Number: 11988

Apprenticeship Carpentry, Drywall/ Lather, 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, CA (units 26.0 - 26.0)
All of the following
Certificate requirements: (units 20.0 - 20.0)
The following number of units
ACA071A Orientation (units 2.0 - 2.0)
ACA071B Safety and Health Certifications (units 2.0 - 2.0)
ACA071C Tool/Equipment Applications (units 1.5 - 1.5)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
ACA072B Basic Lathing (units 1.5 - 1.5)
ACA073A Framing Ceilings and Soffits (units 1.5 - 1.5)
ACA073B Framing Suspended Ceilings (units 1.5 - 1.5)
ACA073C Framing Curves and Arches (units 1.5 - 1.5)
ACA074A Print Reading (units 2.0 - 2.0)
ACA074B Advanced Print Reading (units 2.0 - 2.0)
ACA075A Light Gage Welding AWS - A (units 1.5 - 1.5)
ACA083 Door and Door Frames (units 1.5 - 1.5)
Select six (6) units from the following: (units 6.0 - 6.0)
The following number of units
ACA072C Advanced Lathing (units 1.5 - 1.5)
ACA074C Air, Moisture and Thermal Barrier (units 1.5 - 1.5)
ACA075B Light Gage Welding LAC (units 1.5 - 1.5)
ACA075C Light Gage Welding AWS - B (units 1.5 - 1.5)
ACA076A Basic Hand Finishing (units 1.5 - 1.5)

ACA076B Automatic Finishing Tools (units 1.5 - 1.5)
ACA077A Drywall Installation/Finish Trims (units 1.5 - 1.5)
ACA077B Advanced Hand Finishing (units 1.5 - 1.5)
ACA077C Advanced Automatic Finishing Tools (units 1.5 - 1.5)
ACA078B Advanced Metal Framing (units 1.5 - 1.5)
ACA078C Wet Wall Finishes (units 1.5 - 1.5)
ACA078D Ceiling and Soffit Finishing (units 1.5 - 1.5)
ACA079A Drywall and Acoustical Ceilings (units 1.5 - 1.5)
ACA079C Drywall Applications (units 1.5 - 1.5)
ACA082B Firestopping Procedures (units 1.5 - 1.5)
ACA082C Decorative Trims and Textures (units 1.5 - 1.5)
ACA089 Freeform Lathing (units 1.5 - 1.5)
 Control Number: 21664

Apprenticeship Carpentry, Finish Carpentry, AS
A.S. Degree Major
The Associate of Sciencedegree 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 completionmay 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 (units 25.0 - 25.0)
The following number of units
ACA004C Print Reading (units 2.0 - 2.0)
ACA021A Orientation (units 2.0 - 2.0)
ACA021B Safety and Health Certifications (units 2.0 - 2.0)
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA025D Advanced Print Reading (units 2.0 - 2.0)
ACA033A Cabinet Millwork and Assembly (units 1.5 - 1.5)
ACA033B Cabinet Installation (units 1.5 - 1.5)
ACA033C Show Case/Loose Store Fixtures (units 1.5 - 1.5)
ACA033D Molding and Trims (units 1.5 - 1.5)
ACA034A Plastic Laminates (units 1.5 - 1.5)
ACA034B Solid and Stone Surfaces (units 1.5 - 1.5)
ACA034C Stair Trim (units 1.5 - 1.5)
ACA034D Doors and Door Hardware (units 1.5 - 1.5)
ACA035C Exit and Electrical Security Devices (units 1.5 - 1.5)
 Control Number: 13231

Apprenticeship Carpentry, Finish Carpentry, CA
Certificate of Achievement
TheCertificate of Achievement in Apprenticeship Carpentry,Finish Carpentryprovides 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 (units 25.0 - 25.0)
The following number of units
ACA004C Print Reading (units 2.0 - 2.0)

ACA021A Orientation (units 2.0 - 2.0)
ACA021B Safety and Health Certifications (units 2.0 - 2.0)
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA025D Advanced Print Reading (units 2.0 - 2.0)
ACA033A Cabinet Millwork and Assembly (units 1.5 - 1.5)
ACA033B Cabinet Installation (units 1.5 - 1.5)
ACA033C Show Case/Loose Store Fixtures (units 1.5 - 1.5)
ACA033D Molding and Trims (units 1.5 - 1.5)
ACA034A Plastic Laminates (units 1.5 - 1.5)
ACA034B Solid and Stone Surfaces (units 1.5 - 1.5)
ACA034C Stair Trim (units 1.5 - 1.5)
ACA034D Doors and Door Hardware (units 1.5 - 1.5)
ACA035C Exit and Electrical Security Devices (units 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 completionmay 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 (units 25.5 - 26.5)
All of the following
Major requirements: (units 19.5 - 19.5)
The following number of units
ACA004C Print Reading (units 2.0 - 2.0)
ACA021A Orientation (units 2.0 - 2.0)
ACA021B Safety and Health Certifications (units 2.0 - 2.0)
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA021E Tool/Equipment Applications (units 1.5 - 1.5)
ACA022A Commercial Floor Framing (units 1.5 - 1.5)
ACA022B Basic Stairs (units 1.5 - 1.5)
ACA022D Exterior Finish Details (units 1.5 - 1.5)
ACA023B Basic Roof Framing (units 1.5 - 1.5)
ACA024A Basic Commercial Framing (units 1.5 - 1.5)
ACA024B Advanced Commercial Framing (units 1.5 - 1.5)
ACA025C Advanced Stairs (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.0)
The following number of units
ACA023C Advanced Roof Framing (units 1.5 - 1.5)
ACA024C Panelized Roofing (units 1.5 - 1.5)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA025D Advanced Print Reading (units 2.0 - 2.0)
ACA026B Wall Forming (units 1.5 - 1.5)
ACA072A Basic Metal Framing (units 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 completionmay 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 (units 25.5 - 26.5)
All of the following
Certificate requirements: (units 19.5 - 19.5)
The following number of units
ACA004C Print Reading (units 2.0 - 2.0)
ACA021A Orientation (units 2.0 - 2.0)
ACA021B Safety and Health Certifications (units 2.0 - 2.0)
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA021E Tool/Equipment Applications (units 1.5 - 1.5)
ACA022A Commercial Floor Framing (units 1.5 - 1.5)
ACA022B Basic Stairs (units 1.5 - 1.5)
ACA022D Exterior Finish Details (units 1.5 - 1.5)
ACA023B Basic Roof Framing (units 1.5 - 1.5)
ACA024A Basic Commercial Framing (units 1.5 - 1.5)
ACA024B Advanced Commercial Framing (units 1.5 - 1.5)
ACA025C Advanced Stairs (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.0)
The following number of units
ACA023C Advanced Roof Framing (units 1.5 - 1.5)
ACA024C Panelized Roofing (units 1.5 - 1.5)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA025D Advanced Print Reading (units 2.0 - 2.0)
ACA026B Wall Forming (units 1.5 - 1.5)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
 Control Number: 21659

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 (units 25.5 - 27.0)
All of the following
Major requirements: (units 19.5 - 19.5)
The following number of units
AIN021 Orientation (units 2.0 - 2.0)
AIN022 Safety and Health Certifications (units 2.0 - 2.0)
AIN023 Insulation Basics (units 1.5 - 1.5)
AIN024 Construction Methods (units 1.5 - 1.5)
AIN025A Print Reading (units 2.0 - 2.0)
AIN026 Sound Control and Weatherstripping (units 1.5 - 1.5)
AIN027 Flexible Foam Insulation (units 1.5 - 1.5)
AIN034 Firestop/Fireproofing Procedures (units 1.5 - 1.5)
AIN035 Infiltration and Moisture Control (units 1.5 - 1.5)
AIN036 Loose Fill and Spray Insulation (units 1.5 - 1.5)
AIN037 Rigid Foam and Cellular Glass Insulation Installations (units 1.5 - 1.5)
AIN043 Tool/Equipment Applications (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.5)
The following number of units
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
AIN025B Advanced Print Reading (units 2.0 - 2.0)
AIN031 Green Building and Weatherization (units 1.5 - 1.5)
AIN032 Specialty Insulation (units 1.5 - 1.5)
AIN033 Energy Audit (units 1.5 - 1.5)

AIN041 Supervisory Training (units 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 (units 25.5 - 27.0)
All of the following
Major requirements: (units 19.5 - 19.5)
The following number of units
AIN021 Orientation (units 2.0 - 2.0)
AIN022 Safety and Health Certifications (units 2.0 - 2.0)
AIN023 Insulation Basics (units 1.5 - 1.5)
AIN024 Construction Methods (units 1.5 - 1.5)
AIN025A Print Reading (units 2.0 - 2.0)
AIN026 Sound Control and Weatherstripping (units 1.5 - 1.5)
AIN027 Flexible Foam Insulation (units 1.5 - 1.5)
AIN034 Firestop/Fireproofing Procedures (units 1.5 - 1.5)
AIN035 Infiltration and Moisture Control (units 1.5 - 1.5)
AIN036 Loose Fill and Spray Insulation (units 1.5 - 1.5)
AIN037 Rigid Foam and Cellular Glass Insulation Installations (units 1.5 - 1.5)
AIN043 Tool/Equipment Applications (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.5)
The following number of units
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA072A Basic Metal Framing (units 1.5 - 1.5)
AIN025B Advanced Print Reading (units 2.0 - 2.0)
AIN031 Green Building and Weatherization (units 1.5 - 1.5)
AIN032 Specialty Insulation (units 1.5 - 1.5)
AIN033 Energy Audit (units 1.5 - 1.5)
AIN041 Supervisory Training (units 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 (units 31.5 - 31.5)
All of the following
Major requirements: (units 25.5 - 25.5)
The following number of units
AMW021 Orientation (units 2.0 - 2.0)
AMW022 Safety and Health Certifications (units 2.0 - 2.0)
AMW023A Millwright General Skills - A (units 1.5 - 1.5)
AMW023B Millwright General Skills - B (units 1.5 - 1.5)
AMW024 S/B Print Reading (units 2.0 - 2.0)

AMW025 Welding Fabrication (units 1.5 - 1.5)
AMW026 Cutting and Burning (units 1.5 - 1.5)
AMW027 Optics and Machinery Alignment (units 1.5 - 1.5)
AMW028 Machinery Shaft Alignment (units 1.5 - 1.5)
AMW029A Structural Welding - AWS A (units 1.5 - 1.5)
AMW029B Structural Welding - AWS B (units 1.5 - 1.5)
AMW030 Rigging Hardware and Procedures (units 1.5 - 1.5)
AMW031 Turbine Familiarization (units 1.5 - 1.5)
AMW032 Pumps (units 1.5 - 1.5)
AMW036A Machinery Installation and Erection - A (units 1.5 - 1.5)
AMW043 Tool/Equipment Applications (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 6.0)
The following number of units
AMW033 Conveyor Systems (units 1.5 - 1.5)
AMW034 Drives, Pulleys and Belts (units 1.5 - 1.5)
AMW036B Machinery Installation and Erection - B (units 1.5 - 1.5)
AMW037 Turbine Maintenance (units 1.5 - 1.5)
AMW039 Compressor Theory and Maintenance (units 1.5 - 1.5)
AMW051 Solar Installer Level 1 (units 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 (units 31.5 - 31.5)
All of the following
Certificate requirements: (units 25.5 - 25.5)
The following number of units
AMW021 Orientation (units 2.0 - 2.0)
AMW022 Safety and Health Certifications (units 2.0 - 2.0)
AMW023A Millwright General Skills - A (units 1.5 - 1.5)
AMW023B Millwright General Skills - B (units 1.5 - 1.5)
AMW024 S/B Print Reading (units 2.0 - 2.0)
AMW025 Welding Fabrication (units 1.5 - 1.5)
AMW026 Cutting and Burning (units 1.5 - 1.5)
AMW027 Optics and Machinery Alignment (units 1.5 - 1.5)
AMW028 Machinery Shaft Alignment (units 1.5 - 1.5)
AMW029A Structural Welding - AWS A (units 1.5 - 1.5)
AMW029B Structural Welding - AWS B (units 1.5 - 1.5)
AMW030 Rigging Hardware and Procedures (units 1.5 - 1.5)
AMW031 Turbine Familiarization (units 1.5 - 1.5)
AMW032 Pumps (units 1.5 - 1.5)
AMW036A Machinery Installation and Erection - A (units 1.5 - 1.5)
AMW043 Tool/Equipment Applications (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 6.0)
The following number of units
AMW033 Conveyor Systems (units 1.5 - 1.5)
AMW034 Drives, Pulleys and Belts (units 1.5 - 1.5)
AMW036B Machinery Installation and Erection - B (units 1.5 - 1.5)
AMW037 Turbine Maintenance (units 1.5 - 1.5)
AMW039 Compressor Theory and Maintenance (units 1.5 - 1.5)
AMW051 Solar Installer Level 1 (units 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 (units 22.0 - 23.0)
All of the following
Major requirements: (units 16.0 - 16.0)
The following number of units
ACPD021 Orientation (units 2.0 - 2.0)
ACPD022 Safety and Health Certifications (units 2.0 - 2.0)
ACPD023 Tool/Equipment Applications (units 1.5 - 1.5)
ACPD024A Piles and Hammers A (units 1.5 - 1.5)
ACPD024B Piles and Hammers B (units 1.5 - 1.5)
ACPD026A Falsework A (units 1.5 - 1.5)
ACPD026B Falsework B (units 1.5 - 1.5)
ACPD027A Abutment A (units 1.5 - 1.5)
ACPD027B Abutment B (units 1.5 - 1.5)
ACPD028A Bridge and Deck Forms A (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.0)
The following number of units
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA027D Stairs and Ramp Forming (units 1.5 - 1.5)
ACA029A Rigging (units 1.5 - 1.5)
ACPD028B Bridge and Deck Forms B (units 1.5 - 1.5)
ACPD029A Structural Welding-AWS A (units 1.5 - 1.5)
ACPD029B Structural Welding-AWS B (units 1.5 - 1.5)
ACPD030 Print Reading (units 2.0 - 2.0)
ACPD031A Welding Fabrication A (units 1.5 - 1.5)
ACPD031B Welding Fabrication B (units 1.5 - 1.5)
AMW026 Cutting and Burning (units 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 (units 22.0 - 23.0)
All of the following
Certificate requirements: (units 16.0 - 16.0)
The following number of units
ACPD021 Orientation (units 2.0 - 2.0)
ACPD022 Safety and Health Certifications (units 2.0 - 2.0)
ACPD023 Tool/Equipment Applications (units 1.5 - 1.5)
ACPD024A Piles and Hammers A (units 1.5 - 1.5)
ACPD024B Piles and Hammers B (units 1.5 - 1.5)
ACPD026A Falsework A (units 1.5 - 1.5)
ACPD026B Falsework B (units 1.5 - 1.5)
ACPD027A Abutment A (units 1.5 - 1.5)
ACPD027B Abutment B (units 1.5 - 1.5)
ACPD028A Bridge and Deck Forms A (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.0)
The following number of units
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA027D Stairs and Ramp Forming (units 1.5 - 1.5)
ACA029A Rigging (units 1.5 - 1.5)
ACPD028B Bridge and Deck Forms B (units 1.5 - 1.5)
ACPD029A Structural Welding-AWS A (units 1.5 - 1.5)
ACPD029B Structural Welding-AWS B (units 1.5 - 1.5)
ACPD030 Print Reading (units 2.0 - 2.0)
ACPD031A Welding Fabrication A (units 1.5 - 1.5)
ACPD031B Welding Fabrication B (units 1.5 - 1.5)
AMW026 Cutting and Burning (units 1.5 - 1.5)
 Control Number: 31589

Apprenticeship Carpentry, Plastering, AS
A.S. Degree Major
TheAssociate 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 completionmay 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 (units 25.5 - 27.0)
All of the following
Major requirements: (units 19.5 - 19.5)
The following number of units
ACA071A Orientation (units 2.0 - 2.0)
ACA071B Safety and Health Certifications (units 2.0 - 2.0)
ACA074A Print Reading (units 2.0 - 2.0)
ACPL023 Tool/Equipment Applications (units 1.5 - 1.5)
ACPL025 Basic Plastering (units 1.5 - 1.5)
ACPL026 Exterior Plastering (units 1.5 - 1.5)
ACPL027 Dot and Screed Techniques (units 1.5 - 1.5)
ACPL028 Interior Plastering (units 1.5 - 1.5)
ACPL029 Tender and Plastering Equipment (units 1.5 - 1.5)
ACPL030 Exterior Insulation Finish Systems (EIFS) (units 1.5 - 1.5)
ACPL031 Ornamental Plastering (units 1.5 - 1.5)
ACPL032 Plastering Equipment Application (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.5)
The following number of units
ACA072B Basic Lathing (units 1.5 - 1.5)

ACA074B Advanced Print Reading (units 2.0 - 2.0)
ACA074C Air, Moisture and Thermal Barrier (units 1.5 - 1.5)
ACA082B Firestopping Procedures (units 1.5 - 1.5)
ACPL033 Finish Applications (units 1.5 - 1.5)
ACPL034 Theme Plastering (units 1.5 - 1.5)
AMF030 Crew Lead Customer Service Training (units 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 completionmay 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 (units 25.5 - 27.0)
All of the following
Certificate requirements: (units 19.5 - 19.5)
The following number of units
ACA071A Orientation (units 2.0 - 2.0)
ACA071B Safety and Health Certifications (units 2.0 - 2.0)
ACA074A Print Reading (units 2.0 - 2.0)
ACPL023 Tool/Equipment Applications (units 1.5 - 1.5)
ACPL025 Basic Plastering (units 1.5 - 1.5)
ACPL026 Exterior Plastering (units 1.5 - 1.5)
ACPL027 Dot and Screed Techniques (units 1.5 - 1.5)
ACPL028 Interior Plastering (units 1.5 - 1.5)
ACPL029 Tender and Plastering Equipment (units 1.5 - 1.5)
ACPL030 Exterior Insulation Finish Systems (EIFS) (units 1.5 - 1.5)
ACPL031 Ornamental Plastering (units 1.5 - 1.5)
ACPL032 Plastering Equipment Application (units 1.5 - 1.5)
Select four (4) courses from the following: (units 6.0 - 7.5)
The following number of units
ACA072B Basic Lathing (units 1.5 - 1.5)
ACA074B Advanced Print Reading (units 2.0 - 2.0)
ACA074C Air, Moisture and Thermal Barrier (units 1.5 - 1.5)
ACA082B Firestopping Procedures (units 1.5 - 1.5)
ACPL033 Finish Applications (units 1.5 - 1.5)
ACPL034 Theme Plastering (units 1.5 - 1.5)
AMF030 Crew Lead Customer Service Training (units 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 (units 21.0 - 21.0)

All of the following
Major requirements: (units 15.0 - 15.0)
The following number of units
ACA002B Slabs/Interior-Exterior Footings (units 1.5 - 1.5)
ACA003A Tilt-Up Introduction (units 1.5 - 1.5)
ACA004A Lifting, and Bracing Safety (units 1.5 - 1.5)
ACA005A Wall-Column Forms/Cutting and Burning (units 1.5 - 1.5)
ACA005C Specialized Forms and Rigging (units 1.5 - 1.5)
ACA021A Orientation (units 2.0 - 2.0)
ACA021B Safety and Health Certifications (units 2.0 - 2.0)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA027D Stairs and Ramp Forming (units 1.5 - 1.5)
Select six (6) units from the following: (units 6.0 - 6.0)
The following number of units
ACA004B Poured-in-Place Wall Forms (units 1.5 - 1.5)
ACA005B Site Work/Curb and Gutter (units 1.5 - 1.5)
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA022A Commercial Floor Framing (units 1.5 - 1.5)
ACA022E Commercial Roof Framing (units 1.5 - 1.5)
ACA025A Foundations and Flatwork (units 1.5 - 1.5)
ACA026B Wall Forming (units 1.5 - 1.5)
ACA029A Rigging (units 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 (units 21.0 - 21.0)
All of the following
Certificate requirements: (units 15.0 - 15.0)
The following number of units
ACA002B Slabs/Interior-Exterior Footings (units 1.5 - 1.5)
ACA003A Tilt-Up Introduction (units 1.5 - 1.5)
ACA004A Lifting, and Bracing Safety (units 1.5 - 1.5)
ACA005A Wall-Column Forms/Cutting and Burning (units 1.5 - 1.5)
ACA005C Specialized Forms and Rigging (units 1.5 - 1.5)
ACA021A Orientation (units 2.0 - 2.0)
ACA021B Safety and Health Certifications (units 2.0 - 2.0)
ACA024D Transit Level/Laser (units 2.0 - 2.0)
ACA027D Stairs and Ramp Forming (units 1.5 - 1.5)
Select six (6) units from the following: (units 6.0 - 6.0)
The following number of units
ACA004B Poured-in-Place Wall Forms (units 1.5 - 1.5)
ACA005B Site Work/Curb and Gutter (units 1.5 - 1.5)
ACA021C Basic Wall Framing (units 1.5 - 1.5)
ACA022A Commercial Floor Framing (units 1.5 - 1.5)
ACA022E Commercial Roof Framing (units 1.5 - 1.5)
ACA025A Foundations and Flatwork (units 1.5 - 1.5)
ACA026B Wall Forming (units 1.5 - 1.5)
ACA029A Rigging (units 1.5 - 1.5)

Apprenticeship Programs (side tab)

![Santiago Canyon College logo] **Santiago Canyon College**

Control Number: 21660

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 (units 24.5 - 24.5)
All of the following
Major Requirements: (units 24.5 - 24.5)
All of the following
APCD107 Apprenticeship Child Growth and Development (DS1) (units 3.0 - 3.0)
APCD108 Apprenticeship Observation and Assessment (units 3.0 - 3.0)
APCD110 Apprenticeship - Child, Family and Community (DS2) (units 3.0 - 3.0)
APCD111B Apprenticeship - Introduction to Curriculum for Young Children (units 3.0 - 3.0)
APCD116A Infant/Toddler Growth and Development (DS4) (units 3.0 - 3.0)
APCD202 Introduction to Children from Special Populations (units 3.0 - 3.0)
APCD221 Apprenticeship - Living and Teaching in a Diverse Society (units 3.0 - 3.0)
APCD298A Apprenticeship - Practicum in Early Childhood Programs (units 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 (units 24.5 - 24.5)
All of the following
Certificate Requirements (units 24.5 - 24.5)
The following number of units
APCD107 Apprenticeship Child Growth and Development (DS1) (units 3.0 - 3.0)
APCD108 Apprenticeship Observation and Assessment (units 3.0 - 3.0)
APCD110 Apprenticeship - Child, Family and Community (DS2) (units 3.0 - 3.0)
APCD111B Apprenticeship - Introduction to Curriculum for Young Children (units 3.0 - 3.0)
APCD116A Infant/Toddler Growth and Development (DS4) (units 3.0 - 3.0)
APCD202 Introduction to Children from Special Populations (units 3.0 - 3.0)
APCD221 Apprenticeship - Living and Teaching in a Diverse Society (units 3.0 - 3.0)
APCD298A Apprenticeship - Practicum in Early Childhood Programs (units 3.5 - 3.5)

Control Number: 44174

Apprenticeship Cosmetology, CA
Certificate of Achievement

The Certificate of Achievementin 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 (units 0.5 - 14.0)
All of the following
ACS035 Cosmetology Apprentice (units 0.5 - 14.0)
 Control Number: 11991

Apprenticeship Electricity, Industrial, AS
A.S. Degree Major

The Associate of Sciencedegree in Apprenticeship Electricity Industrial provides the required related and supplemental instruction for state-indentured electrical inside wiremen apprentices. Theyinstall 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 (units 46.5 - 46.5)
The following number of units
AEL051 Inside Wireman 1 (units 4.5 - 4.5)
AEL052 Inside Wireman 2 (units 4.5 - 4.5)
AEL053 Inside Wireman 3 (units 4.5 - 4.5)
AEL054 Inside Wireman 4 (units 4.5 - 4.5)
AEL055 Inside Wireman 5 (units 4.5 - 4.5)
AEL056 Inside Wireman 6 (units 4.5 - 4.5)
AEL057 Inside Wireman 7 (units 4.5 - 4.5)
AEL058 Inside Wireman 8 (units 4.5 - 4.5)
AEL059 Inside Wireman 9 (units 4.5 - 4.5)
AEL060 Inside Wireman 10 (units 4.5 - 4.5)
AEL061 Electrical Safety and First Aid (units 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. Theyinstall 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 injourneyworker status. Meets the state requirements as an electrician trainee program.

Program Rules: Apprenticeship Electricity, Industrial, CA (units 46.5 - 46.5)
The following number of units
AEL051 Inside Wireman 1 (units 4.5 - 4.5)

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AEL052 Inside Wireman 2 (units 4.5 - 4.5)
AEL053 Inside Wireman 3 (units 4.5 - 4.5)
AEL054 Inside Wireman 4 (units 4.5 - 4.5)
AEL055 Inside Wireman 5 (units 4.5 - 4.5)
AEL056 Inside Wireman 6 (units 4.5 - 4.5)
AEL057 Inside Wireman 7 (units 4.5 - 4.5)
AEL058 Inside Wireman 8 (units 4.5 - 4.5)
AEL059 Inside Wireman 9 (units 4.5 - 4.5)
AEL060 Inside Wireman 10 (units 4.5 - 4.5)
AEL061 Electrical Safety and First Aid (units 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 (units 45.0 - 45.0)
The following number of units
AEL031 Intelligent Transportation Systems Electrician Apprentice 1 (units 4.5 - 4.5)
AEL032 Intelligent Transportation Systems Electrician Apprentice 2 (units 4.5 - 4.5)
AEL033 Intelligent Transportation Systems Electrician Apprentice 3 (units 4.5 - 4.5)
AEL034 Intelligent Transportation Systems Electrician Apprentice 4 (units 4.5 - 4.5)
AEL035 Intelligent Transportation Systems Electrician Apprentice 5 (units 4.5 - 4.5)
AEL036 Intelligent Transportation Systems Electrician Apprentice 6 (units 4.5 - 4.5)
AEL037 Intelligent Transportation Systems Electrician Apprentice 7 (units 4.5 - 4.5)
AEL038 Intelligent Transportation Systems Electrician Apprentice 8 (units 4.5 - 4.5)
AEL039 Intelligent Transportation Systems Electrician Apprentice 9 (units 4.5 - 4.5)
AEL040 Intelligent Transportation Systems Electrician Apprentice 10 (units 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 (units 45.0 - 45.0)
The following number of units
AEL031 Intelligent Transportation Systems Electrician Apprentice 1 (units 4.5 - 4.5)
AEL032 Intelligent Transportation Systems Electrician Apprentice 2 (units 4.5 - 4.5)
AEL033 Intelligent Transportation Systems Electrician Apprentice 3 (units 4.5 - 4.5)
AEL034 Intelligent Transportation Systems Electrician Apprentice 4 (units 4.5 - 4.5)
AEL035 Intelligent Transportation Systems Electrician Apprentice 5 (units 4.5 - 4.5)
AEL036 Intelligent Transportation Systems Electrician Apprentice 6 (units 4.5 - 4.5)
AEL037 Intelligent Transportation Systems Electrician Apprentice 7 (units 4.5 - 4.5)
AEL038 Intelligent Transportation Systems Electrician Apprentice 8 (units 4.5 - 4.5)
AEL039 Intelligent Transportation Systems Electrician Apprentice 9 (units 4.5 - 4.5)
AEL040 Intelligent Transportation Systems Electrician Apprentice 10 (units 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 (units 27.0 - 27.0)
The following number of units
AEL021 Sound and Communication Apprentice 1 (units 4.5 - 4.5)
AEL022 Sound and Communication Apprentice 2 (units 4.5 - 4.5)
AEL023 Sound and Communication Apprentice 3 (units 4.5 - 4.5)
AEL024 Sound and Communication Apprentice 4 (units 4.5 - 4.5)
AEL025 Sound and Communication Apprentice 5 (units 4.5 - 4.5)
AEL026 Sound and Communication Apprentice 6 (units 4.5 - 4.5)
 Control Number: 19588

Apprenticeship Electricity, Sound Installer, CA
Certificate of Achievement

The Certificate of Achievement in ApprenticeshipElectricity,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 (units 27.0 - 27.0)
The following number of units
AEL021 Sound and Communication Apprentice 1 (units 4.5 - 4.5)
AEL022 Sound and Communication Apprentice 2 (units 4.5 - 4.5)
AEL023 Sound and Communication Apprentice 3 (units 4.5 - 4.5)
AEL024 Sound and Communication Apprentice 4 (units 4.5 - 4.5)
AEL025 Sound and Communication Apprentice 5 (units 4.5 - 4.5)
AEL026 Sound and Communication Apprentice 6 (units 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

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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 (units 36.0 - 36.0)
The following number of units
AEL021 Sound and Communication Apprentice 1 (units 4.5 - 4.5)
AEL022 Sound and Communication Apprentice 2 (units 4.5 - 4.5)
AEL023 Sound and Communication Apprentice 3 (units 4.5 - 4.5)
AEL024 Sound and Communication Apprentice 4 (units 4.5 - 4.5)
AEL025 Sound and Communication Apprentice 5 (units 4.5 - 4.5)
AEL026 Sound and Communication Apprentice 6 (units 4.5 - 4.5)
AEL027 Sound and Communication Apprentice 7 (units 4.5 - 4.5)
AEL028 Sound and Communication Apprentice 8 (units 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 completionmay lead to state journeyworker certification.
Program Rules: Apprenticeship Electricity, Sound Technician, CA (units 36.0 - 36.0)
The following number of units
AEL021 Sound and Communication Apprentice 1 (units 4.5 - 4.5)
AEL022 Sound and Communication Apprentice 2 (units 4.5 - 4.5)
AEL023 Sound and Communication Apprentice 3 (units 4.5 - 4.5)
AEL024 Sound and Communication Apprentice 4 (units 4.5 - 4.5)
AEL025 Sound and Communication Apprentice 5 (units 4.5 - 4.5)
AEL026 Sound and Communication Apprentice 6 (units 4.5 - 4.5)
AEL027 Sound and Communication Apprentice 7 (units 4.5 - 4.5)
AEL028 Sound and Communication Apprentice 8 (units 4.5 - 4.5)
 Control Number: 19589

Apprenticeship Maintenance Mechanic, Apprentice I, AS
A.S. Degree Major
The Associate of Science degree in Apprenticeship Maintenance Mechanic Apprentice I provides the related and supplemental instruction required for 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: Apprenticeship Maintenance Mechanic, Apprentice I, AS (units 36.0 - 36.0)
The following number of units
AMM021 Period 1 (units 4.5 - 4.5)
AMM022 Period 2 (units 4.5 - 4.5)
AMM023 Period 3 (units 4.5 - 4.5)
AMM024 Period 4 (units 4.5 - 4.5)
AMM025 Period 5 (units 4.5 - 4.5)
AMM026 Period 6 (units 4.5 - 4.5)
AMM027 Period 7 (units 4.5 - 4.5)
AMM028 Period 8 (units 4.5 - 4.5)
 Control Number: 16839

Apprenticeship Maintenance Mechanic, Apprentice I, CA
Certificate of Achievement
The Certificate of Achievement in Apprenticeship Maintenance Mechanic, Apprentice I provides the related and supplemental instruction required for 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: Apprenticeship Maintenance Mechanic, Apprentice I, CA (units 36.0 - 36.0)
The following number of units
AMM022 Period 2 (units 4.5 - 4.5)
AMM021 Period 1 (units 4.5 - 4.5)
AMM023 Period 3 (units 4.5 - 4.5)
AMM024 Period 4 (units 4.5 - 4.5)
AMM025 Period 5 (units 4.5 - 4.5)
AMM026 Period 6 (units 4.5 - 4.5)
AMM027 Period 7 (units 4.5 - 4.5)
AMM028 Period 8 (units 4.5 - 4.5)
 Control Number: 21651

Apprenticeship Maintenance Mechanic, Apprentice II, AS
A.S. Degree Major
The Associate of Science degree in Apprenticeship Maintenance Mechanic Apprentice II provides the related and supplemental instruction required for 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: Apprenticeship Maintenance Mechanic, Apprentice II, AS (units 36.0 - 36.0)
The following number of units
AME052 Period 2 (units 4.5 - 4.5)
AME053 Period 3 (units 4.5 - 4.5)
AME054 Period 4 (units 4.5 - 4.5)
AME055 Period 5 (units 4.5 - 4.5)
AME056 Period 6 (units 4.5 - 4.5)
AME057 Period 7 (units 4.5 - 4.5)
AME058 Period 8 (units 4.5 - 4.5)
AMM021 Period 1 (units 4.5 - 4.5)
Control Number: 11982

Apprenticeship Maintenance Mechanic, Apprentice II, CA
Certificate of Achievement
The Certificate of Achievement in Apprenticeship Maintenance Mechanic, Apprentice II provides the related and supplemental instruction required for 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: Apprenticeship Maintenance Mechanic, Apprentice II, CA (units 36.0 - 36.0)
The following number of units
AME052 Period 2 (units 4.5 - 4.5)
AME053 Period 3 (units 4.5 - 4.5)

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AME054 Period 4 (units 4.5 - 4.5)
AME055 Period 5 (units 4.5 - 4.5)
AME056 Period 6 (units 4.5 - 4.5)
AME057 Period 7 (units 4.5 - 4.5)
AME058 Period 8 (units 4.5 - 4.5)
AMM021 Period 1 (units 4.5 - 4.5)
 Control Number: 21653

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 (units 36.0 - 36.0)
The following number of units
AME021 Period 1 (units 4.5 - 4.5)
AME052 Period 2 (units 4.5 - 4.5)
AME053 Period 3 (units 4.5 - 4.5)
AME054 Period 4 (units 4.5 - 4.5)
AME055 Period 5 (units 4.5 - 4.5)
AME056 Period 6 (units 4.5 - 4.5)
AME057 Period 7 (units 4.5 - 4.5)
AME058 Period 8 (units 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 (units 36.0 - 36.0)
The following number of units
AME021 Period 1 (units 4.5 - 4.5)
AME052 Period 2 (units 4.5 - 4.5)
AME053 Period 3 (units 4.5 - 4.5)
AME054 Period 4 (units 4.5 - 4.5)
AME055 Period 5 (units 4.5 - 4.5)
AME056 Period 6 (units 4.5 - 4.5)
AME057 Period 7 (units 4.5 - 4.5)
AME058 Period 8 (units 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 (units 36.0 - 36.0)
The following number of units
AMM021 Period 1 (units 4.5 - 4.5)
AMM022 Period 2 (units 4.5 - 4.5)
AMM023 Period 3 (units 4.5 - 4.5)
AMM024 Period 4 (units 4.5 - 4.5)
AMM025 Period 5 (units 4.5 - 4.5)
AMM026 Period 6 (units 4.5 - 4.5)

AMM027 Period 7 (units 4.5 - 4.5)
AMM028 Period 8 (units 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 (units 36.0 - 36.0)
The following number of units
AMM021 Period 1 (units 4.5 - 4.5)
AMM022 Period 2 (units 4.5 - 4.5)
AMM023 Period 3 (units 4.5 - 4.5)
AMM024 Period 4 (units 4.5 - 4.5)
AMM025 Period 5 (units 4.5 - 4.5)
AMM026 Period 6 (units 4.5 - 4.5)
AMM027 Period 7 (units 4.5 - 4.5)
AMM028 Period 8 (units 4.5 - 4.5)
 Control Number: 21651

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 (units 24.0 - 24.0)
The following number of units
AOE011 Construction Safety Inspector Apprentice 1 (units 4.0 - 4.0)
AOE012 Construction Safety Inspector Apprentice 2 (units 4.0 - 4.0)
AOE013 Construction Safety Inspector Apprentice 3 (units 4.0 - 4.0)
AOE014 Construction Safety Inspector Apprentice 4 (units 4.0 - 4.0)
AOE015 Construction Safety Inspector Apprentice 5 (units 4.0 - 4.0)
AOE016 Construction Safety Inspector Apprentice 6 (units 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 (units 24.0 - 24.0)

The following number of units
AOE011 Construction Safety Inspector Apprentice 1 (units 4.0 - 4.0)
AOE012 Construction Safety Inspector Apprentice 2 (units 4.0 - 4.0)
AOE013 Construction Safety Inspector Apprentice 3 (units 4.0 - 4.0)
AOE014 Construction Safety Inspector Apprentice 4 (units 4.0 - 4.0)
AOE015 Construction Safety Inspector Apprentice 5 (units 4.0 - 4.0)
AOE016 Construction Safety Inspector Apprentice 6 (units 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 (units 18.0 - 18.0)
The following number of units
AOE031 Heavy Duty Repairer 1 (units 3.0 - 3.0)
AOE032 Heavy Duty Repairer 2 (units 3.0 - 3.0)
AOE033 Hydraulics (units 3.0 - 3.0)
AOE034 Advanced Hydraulics (units 3.0 - 3.0)
AOE035 Heavy Duty Repairer 5 (units 3.0 - 3.0)
AOE036 Disassembly and Assembly (units 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 (units 18.0 - 18.0)
The following number of units
AOE031 Heavy Duty Repairer 1 (units 3.0 - 3.0)
AOE032 Heavy Duty Repairer 2 (units 3.0 - 3.0)
AOE033 Hydraulics (units 3.0 - 3.0)
AOE034 Advanced Hydraulics (units 3.0 - 3.0)
AOE035 Heavy Duty Repairer 5 (units 3.0 - 3.0)
AOE036 Disassembly and Assembly (units 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 (units 24.0 - 24.0)
The following number of units
AOE041 Introduction to Apprenticeship (units 4.0 - 4.0)
AOE042 Grade Checking (units 4.0 - 4.0)
AOE043 Equipment Operator 3 (units 4.0 - 4.0)
AOE044 Plan Reading (units 4.0 - 4.0)
AOE045 Equipment Operator 5 (units 4.0 - 4.0)
AOE046 Hazmat 6 (units 4.0 - 4.0)
 Control Number: 11983

Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer, CA
Certificate of Achievement
The Certificate of Achievementin Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineerprovides 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 (units 24.0 - 24.0)
The following number of units
AOE041 Introduction to Apprenticeship (units 4.0 - 4.0)
AOE042 Grade Checking (units 4.0 - 4.0)
AOE043 Equipment Operator 3 (units 4.0 - 4.0)
AOE045 Equipment Operator 5 (units 4.0 - 4.0)
AOE044 Plan Reading (units 4.0 - 4.0)
AOE046 Hazmat 6 (units 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 (units 24.0 - 24.0)
The following number of units
AOE021 Plant Equipment Operator 1 (units 4.0 - 4.0)
AOE022 Plant Equipment Operator 2 (units 4.0 - 4.0)
AOE023 Plant Equipment Operator 3 (units 4.0 - 4.0)
AOE024 Plant Equipment Operator 4 (units 4.0 - 4.0)
AOE025 Plant Equipment Operator 5 (units 4.0 - 4.0)
AOE026 Plant Equipment Operator 6 (units 4.0 - 4.0)
 Control Number: 17686

Apprenticeship Operating Engineers, Plant Equipment/Rock, Sand and Gravel, CA

Apprenticeship Programs

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 (units 24.0 - 24.0)

The following number of units
AOE021 Plant Equipment Operator 1 (units 4.0 - 4.0)
AOE022 Plant Equipment Operator 2 (units 4.0 - 4.0)
AOE023 Plant Equipment Operator 3 (units 4.0 - 4.0)
AOE024 Plant Equipment Operator 4 (units 4.0 - 4.0)
AOE025 Plant Equipment Operator 5 (units 4.0 - 4.0)
AOE026 Plant Equipment Operator 6 (units 4.0 - 4.0)
 Control Number: 21656

Apprenticeship Operating Engineers, Special Inspector, AS

A.S. Degree Major

The Associate of Science degree in Apprenticeship 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 (units 24.0 - 24.0)

All of the following
Major requirements: (units 8.0 - 8.0)
The following number of units
AOE075A Soils Inspection and Testing (units 4.0 - 4.0)
AOE076A Structural Plan Reading for Inspectors (units 4.0 - 4.0)
Select four(4) courses from the following: (units 16.0 - 16.0)
The following number of units
AOE071A Reinforced Concrete (units 4.0 - 4.0)
AOE072A Prestressed Concrete (units 4.0 - 4.0)
AOE073A Structural Steel/Welding (units 4.0 - 4.0)
AOE074A Structural Masonry (units 4.0 - 4.0)
AOE077A ICC Soils Special Inspector (units 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 (units 24.0 - 24.0)

All of the following
Certificate requirements: (units 8.0 - 8.0)
The following number of units
AOE075A Soils Inspection and Testing (units 4.0 - 4.0)
AOE076A Structural Plan Reading for Inspectors (units 4.0 - 4.0)
Select four(4) courses from the following: (units 16.0 - 16.0)
The following number of units
AOE071A Reinforced Concrete (units 4.0 - 4.0)
AOE072A Prestressed Concrete (units 4.0 - 4.0)

AOE073A Structural Steel/Welding (units 4.0 - 4.0)
AOE074A Structural Masonry (units 4.0 - 4.0)
AOE077A ICC Soils Special Inspector (units 4.0 - 4.0)
 Control Number: 21665

Apprenticeship Power Lineman, AS

A.S. Degree Major

The Associateof 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 (units 24.0 - 24.0)

The following number of units
APL020 Orientation (units 3.0 - 3.0)
APL021 Power Lineman Apprentice 1 (units 3.0 - 3.0)
APL022 Power Lineman Apprentice 2 (units 3.0 - 3.0)
APL023 Power Lineman Apprentice 3 (units 3.0 - 3.0)
APL024 Power Lineman Apprentice 4 (units 3.0 - 3.0)
APL025 Power Lineman Apprentice 5 (units 3.0 - 3.0)
APL026 Power Lineman Apprentice 6 (units 3.0 - 3.0)
APL041 Work Methods Training (units 1.0 - 1.0)
APL042 Rubber Gloves Training (units 1.0 - 1.0)
APL043 Hot Sticks Training (units 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 (units 24.0 - 24.0)

The following number of units
APL020 Orientation (units 3.0 - 3.0)
APL021 Power Lineman Apprentice 1 (units 3.0 - 3.0)
APL022 Power Lineman Apprentice 2 (units 3.0 - 3.0)
APL023 Power Lineman Apprentice 3 (units 3.0 - 3.0)
APL024 Power Lineman Apprentice 4 (units 3.0 - 3.0)
APL025 Power Lineman Apprentice 5 (units 3.0 - 3.0)
APL026 Power Lineman Apprentice 6 (units 3.0 - 3.0)
APL041 Work Methods Training (units 1.0 - 1.0)
APL042 Rubber Gloves Training (units 1.0 - 1.0)
APL043 Hot Sticks Training (units 1.0 - 1.0)
 Control Number: 21652

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 (units 25.6 - 25.6)
The following number of units
ASV030 Labor Relations (units 0.5 - 0.5)
ASV040 Standard First Aid (units 0.1 - 0.1)
ASV101 Chainman Apprentice 1 (units 5.0 - 5.0)
ASV102 Chainman Apprentice 2 (units 5.0 - 5.0)
ASV103 Chainman Apprentice 3 (units 5.0 - 5.0)
ASV104 Chainman Apprentice 4 (units 5.0 - 5.0)
ASV105 Chainman Apprentice 5 (units 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 (units 25.6 - 25.6)
The following number of units
ASV030 Labor Relations (units 0.5 - 0.5)
ASV040 Standard First Aid (units 0.1 - 0.1)
ASV101 Chainman Apprentice 1 (units 5.0 - 5.0)
ASV102 Chainman Apprentice 2 (units 5.0 - 5.0)
ASV103 Chainman Apprentice 3 (units 5.0 - 5.0)
ASV104 Chainman Apprentice 4 (units 5.0 - 5.0)
ASV105 Chainman Apprentice 5 (units 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 Partyprepares 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 (units 24.0 - 24.0)
The following number of units
ASV121 Plane Surveying and Coordinate Geometry (units 3.0 - 3.0)
ASV122 Advanced Coordinate Geometry (units 3.0 - 3.0)
ASV123 Laptop Surveying/Aerial Photogrammetry (units 3.0 - 3.0)
ASV124 Plan Reading and Subdivision Surveying (units 3.0 - 3.0)
ASV125 Major Project Plans and Survey Layout (units 3.0 - 3.0)
ASV126 Control and Geodetic Surveying (units 3.0 - 3.0)
ASV127 U.S. Public Land Surveys (units 3.0 - 3.0)
ASV128 Property Surveys and Legal Descriptions (units 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 Partyprepares 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 (units 24.0 - 24.0)
The following number of units
ASV121 Plane Surveying and Coordinate Geometry (units 3.0 - 3.0)
ASV122 Advanced Coordinate Geometry (units 3.0 - 3.0)
ASV123 Laptop Surveying/Aerial Photogrammetry (units 3.0 - 3.0)
ASV124 Plan Reading and Subdivision Surveying (units 3.0 - 3.0)
ASV125 Major Project Plans and Survey Layout (units 3.0 - 3.0)
ASV126 Control and Geodetic Surveying (units 3.0 - 3.0)
ASV127 U.S. Public Land Surveys (units 3.0 - 3.0)
ASV128 Property Surveys and Legal Descriptions (units 3.0 - 3.0)
 Control Number: 21666

APPRENTICESHIP COURSES

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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20   **Lab Hours:** 20

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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 incorporate to facilitate the hip roof assembly techniques and installation procedures that are the focus of this training. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

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 of 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 andwall 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 of 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 of 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 of 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 of 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 usingoxy-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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

Apprenticeship Courses

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Active Carpenter Union Member
Lecture Hours: 8

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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 usethe tool and framing techniques presentedto complete selected multifaceted acoustical ceiling layout projects. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

ACA063
Suspended Ceilings
Units: 1.5
Provides instructioncovering the installation of suspended ceilings in various configurations and will include both radius and square wall drywall suspensionmethods. Students will complete selected suspended ceiling installations using the techniques presented. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

ACA064
Acoustical Soffits
Units: 1.5
Provides instructioncovering the construction ofacoustical soffitsin various configurations and will includesquare and slant faced, tapered, concealed,drywall suspension and sloped soffitsmethods. Students will complete selectedacoustical soffitinstallations using the techniques presented. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 of 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 producemultiple ceiling edge contours using the compasso trim system. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 todirect wire and indirect channelsuspension ceiling grid systems. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

ACA071A
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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 30 **Lab Hours:** 10

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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

ACA073B
Framing Suspended Ceilings
Units: 1.5
Provides instructioncovering the installation of circular ceilings with drops, and drywall suspensionin 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 32 **Lab Hours:** 8

ACA074B
Advanced Print Reading

Units: 2
In this course, students will analyze multi-view drawings to determine acoustical ceiling construction types, locate benchmark and building/wall elements; review codes, references, and perform calculations for construction/ceiling grid planning. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 30　**Lab Hours:** 10

ACA074C
Air, Moisture, and Thermal Barriers
Units: 1.5
This course will demonstrate that correctly installed air, moisture and thermal barrier systems increase building envelope energy efficiency. Building sealing products and installation techniques will be the main focus of hands-on exercises. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20　**Lab Hours:** 20

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 of 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 of 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 of 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 as well as 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 demonstrated. The importance of mixture consistency, proper coating sequence will be stressed during level four hand finishing exercises. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20　**Lab Hours:** 20

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20　**Lab Hours:** 20

ACA077A
Drywall Installation/Finish Trims
Units: 1.5
This course will introduce drywall handling methods, applications and recommended levels of drywall finish to achieve the desired aesthetics. An emphasis will be placed on trim attachment and finishing techniques. Various types of finish trim will be identified. Students must demonstrate proficiency in the proper use of automatic taping tools. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20　**Lab Hours:** 20

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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 10 **Lab Hours:** 30

ACA079C
Drywall Applications
Units: 1.5
This course provides needed commercial and residential skills to properly handle and install drywall used in specialized applications. Productivity techniques will be discussed and practiced under jobsite conditions. Wall framing and drywall finishing methods will be incorporated into the hands-on activity. Open Entry/Open Exit.
Previous Title: Apprenticeship Carpentry 079C, Drywall Applications (2016)
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

ACA079D
Drywall Applications
Units: 1.5
This course provides needed commercial and residential skills to properly handle and install drywall used in specialized applications. Productivity techniques will be discussed and practiced under jobsite conditions. Wall framing and drywall finishing methods will be incorporated into the hands-on activity. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

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/

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fireproofing material in a controlled environment. Open Entry/Open Exit. Former Title: Apprenticeship Carpentry 082B, Firestopping Procedures (2020)
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

ACA083C
Door/Door Frame
Units: 1.5
This course covers the installation process from constructing rough openings to hanging and adjusting doors. An emphasis will be placed on print interpretation, door schedules, symbols and hardware recognition. Students will use the methods and procedures presented to install selected frames and doors for wood framing applications. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

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 of 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 of 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

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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 of 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 of Enrollment: Student must be an approved state indentured apprentice.
Lecture Hours: 16 **Lab Hours:** 24

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 30.08 **Lab Hours:** 10.08

ACPD022
Safety and Health Certifications
Units: 2
This course is designed to increase the pile driver students' awareness of construction hazard communication systems, proper tool/equipment operation, and will emphasize the importance of the individual responsibility for workplace safety and health. The students will discern that the construction environment has a higher potential for injuries and accidents than most workplaces and therefore requires the ability to assess danger, employ prevention measures, and take appropriate action in emergencies. This training will expose students to various health emergency scenarios, and provide students with ample opportunities to practice the appropriate CPR and first aid response. Because many injuries are the result of improper tool and equipment use, students will be trained on how to correctly select, inspect, use, and operate fall protection systems, tools, and powered lift truck equipment. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice

Lecture Hours: 30 **Lab Hours:** 10

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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20 **Lab Hours:** 20

Apprenticeship Courses

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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 buildingwill 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured Insulator apprentice
Lecture Hours: 40

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 of Enrollment: Must be a state-indentured Insulator apprentice
Lecture Hours: 20 **Lab Hours:** 20

Apprenticeship Courses

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 of 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 of 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 of 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 theinstallation 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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 40

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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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:

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Limitations of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured Millwright apprentice
Lecture Hours: 24 **Lab Hours:** 16

Apprenticeship Courses

![Santiago Canyon College]

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 of 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 of 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 of 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 of 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 toapprentices. Open Entry/Open Exit.

Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured Millwright apprentice
Lecture Hours: 20 **Lab Hours:** 20

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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.

Apprenticeship Courses

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 48

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 32 **Lab Hours:** 80

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 8-224

Apprenticeship Courses

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 of Enrollment: Must be a state-indentured apprentice.
Lecture Hours: 4-385 **Lab Hours:** 12-1115

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 andelectricity in Direct Current (DC) Theory Series Circuits. Open Entry/Open Exit.

Transferability: Not transferable
Entrance Skills:
Limitations of 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 indenturedSoundElectrician Apprentices in Commercial Building Telecommunications Cable Standards, Residential and Light Commercial Telecommunications Wiring andFiber Optic Cabling. Open Entry/Open Exit.

Transferability: Not transferable
Entrance Skills:
Limitations of 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 indenturedSound Electrician Apprentices in the International Brotherhood of Electrical Workers (IBEW), National Electrical Code, AlternatingCurrent (AC) theory, analog and digital telephone systems and Distributed/Paging systems. Open Entry/Open Exit.

Transferability: Not transferable
Entrance Skills:
Limitations of 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 indenturedSoundElectrician 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 of 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 indenturedSound 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 70 **Lab Hours:** 14

AEL026
Sound and Communication Apprentice 6
Units: 4

Provides related and supplemental instruction for indentured Sound Electrician Apprentices in Closed Circuit Television Cameras (CCTV), Fiber Optic Certification, and prepares studentsfor state required Fire Alarm and Voice Data Video Exam. Open Entry/Open Exit.

Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 70 **Lab Hours:** 14

AEL027
Sound and Communication Apprentice 7
Units: 0

Provides related and supplemental instruction for indentured SoundElectrician Apprentices in BICSI Certification,Tyco (AMP) ACT I, andNational Institute for Certification in Engineering Technologies (NICET) Level I Fire Alarm Systems. Open Entry/Open Exit.

Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 0

AEL028
Sound and Communication Apprentice 8
Units: 4

Provides related and supplemental instruction for indentured Sound Electrician Apprentices inBuilding Industry Consulting Services International (BICSI) Technician training, high pair count copper splicing, connectors for audiovisual and communications, Master Antenna Television/Cable TelevisionRadio 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 of 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

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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 of 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 of 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 of 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 of 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 of 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 TransportationApprentice 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 of 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 of 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 of 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 instructionin becoming a Journeyworker in theIntelligent TransportationSystems Industry.Torqueing methods and requirements for electrical equipment,Solid State Systemsand OSHA 30 safety practices in constructionforintelligent transportation systemsapprentices.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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

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Transportation Apprentice ElectriciansinTorqueing methods and requirements for electrical equipment,Photovoltaic Systemsand OSHA 30 safety practices in constructionfor inside wireman apprentices.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 conduitfor inside wireman apprentices. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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), andcommercial blueprints, for inside wireman apprentices. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 blueprintsfor inside wireman apprentices. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 inGrounding and Bonding, Fire Alarm Systems, Transformers and Electrical Safety Related Work Practicesfor inside wireman apprentices. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 inCode Calculations, Blueprints, Electrical Grounding and Bonding and Motors. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 inCode Calculations, Code and Practices and Motor Controlfor inside wireman apprentices. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 inbecoming aJourneyworker in the Electrical Industry, Torqueing methods and requirements for electrical equipment, SolidState Devices for Motor Control and OSHA 30 safety practices in constructionfor inside wireman apprentices.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 20

AME021
Period 1
Units: 4.5
Provides the related and supplemental instruction requiredfor the first levelMaintenance 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 of 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 of 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 levelMaintenance 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 of 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 of 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 MaintenanceElectrician Apprentice in the application of code requirements, variable frequency drives (VFD), VFD faults and troubleshooting, input/output devices, semi-conductors, and power supplies. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 Apprenticein the application of code requirements, introductory programming, programmable logic controllers (PLC), and advanced electricity. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 seventh 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 of 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 requirements, advanced electricity and electrical systems, maintenance and operations procedures, project planning, layout, estimating and scheduling. Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of Enrollment: Must be a state-indentured apprentice

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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 of 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 tobuilding 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 of 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 of 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 levelMaintenance Mechanic Apprenticein pump types and applications; piping systems; pump hydraulics; tubing and hose applications, installation and maintenance; installation and maintenance pipefitting; and troubleshooting skills.Open Entry/Open Exit.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 of 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 of 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-levelMaintenance Mechanic Apprenticein 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 64 **Lab Hours:** 24

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 of 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

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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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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

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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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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.

Apprenticeship Courses

Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 40 **Lab Hours:** 72

Apprenticeship Courses

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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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

Apprenticeship Courses

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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice.
Lecture Hours: 52 **Lab Hours:** 52

APL020
Orientation
Units: 3
Provides related and supplemental instruction requiredfor entry-level apprentice power linemen.
Transferability: Not transferable
Entrance Skills:
Limitations of 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-levelpower lineman apprenticesin the tools, math, theory, and safety required in the power lineman industry.
Transferability: Not transferable
Entrance Skills:
Limitations of 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 of 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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 8   **Lab Hours:** 32

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 8

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 of 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 of 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 of 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 of 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 of 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 of 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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 54

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 54

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 of Enrollment: Must be a state-indentured apprentice

Lecture Hours: 54

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 54

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 54

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 54

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 54

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 of Enrollment: Must be a state-indentured apprentice
Lecture Hours: 54

Apprenticeship Courses

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