



# Santiago Canyon College

## 2023–2024 CATALOG AND ANNOUNCEMENT OF COURSES

### SANTIAGO CANYON COLLEGE

8045 East Chapman Avenue  
Orange, CA 92869-4512  
714-628-4900

### ORANGE EDUCATION CENTER

1465 North Batavia Street  
Orange, CA 92867-3504  
714-628-5900

### RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT OFFICE

2323 North Broadway  
Santa Ana, CA 92706-1640  
714-480-7300

### INTERNET ADDRESSES

RSCCD (all sites) . . . . . [www.rsccd.edu](http://www.rsccd.edu)  
SCC . . . . . [www.sccollege.edu](http://www.sccollege.edu)  
Facebook . . . . . [www.facebook.com/SantiagoCanyonCollege](https://www.facebook.com/SantiagoCanyonCollege)  
Twitter . . . . . [www.twitter.com/santiagocanyon](https://www.twitter.com/santiagocanyon)  
Instagram . . . . . [www.instagram.com/sccollege/](https://www.instagram.com/sccollege/)

### CATALOG CONTENT

The Rancho Santiago Community College District and Santiago Canyon College have made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the administration of the district for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the district and the college. The district and the college further reserve the right to add, amend, or repeal any of their rules, regulations, policies, and procedures.

This catalog is available in alternate format to qualified individuals with disabilities.  
Accessible version available at [www.sccollege.edu/catalog](http://www.sccollege.edu/catalog)

### RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT SANTIAGO CANYON COLLEGE

Rancho Santiago Community College District serves residents of Anaheim Hills, Orange, Santa Ana, Villa Park, and a portion of Garden Grove.

### ACCREDITED BY THE WESTERN ASSOCIATION OF SCHOOLS AND COLLEGES

Santiago Canyon College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, (10 Commercial Boulevard, Suite 204, Novato, CA 94949, 415-506-0234), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education.



## SANTIAGO CANYON COLLEGE INSTRUCTIONAL CALENDAR COLLEGE CREDIT CLASSES 2023-2024 INSTRUCTIONAL CALENDAR 2023-2024

### FALL SEMESTER 2023

August 19–21	Faculty Projects
August 22–23	Professional Development Week
August 26	INSTRUCTION BEGINS
September 2	Labor Day - Holiday
September 8	Last date to drop with enrollment fee refund (semester-length courses)
September 27	Last date to file Pass/No Pass option (semester-length courses)
October 11	Deadline to submit all Petitions to Graduate
November 11	Veteran's Day - Holiday
November 17	Last date to drop semester-length courses with a "W" grade
November 28-30	Thanksgiving - Holiday
December 15	INSTRUCTION ENDS
December 16–January 5	Winter Break <b>INTERSESSION 2024</b>
January 6	INSTRUCTION BEGINS
January 13	Last date to file Pass/No Pass
January 20	Martin Luther King, Jr. - Holiday
February 2	INSTRUCTION ENDS

### SPRING SEMESTER 2024

February 3–5	Faculty Projects
February 6–7	Professional Development Week
February 10	INSTRUCTION BEGINS
February 14	Lincoln's Birthday - Holiday
February 17	President's Day - Holiday
February 23	Last date to drop with enrollment fee refund (semester-length courses)
March 13	Deadline to submit all Petitions to Graduate
March 13	Last date to file Pass/No Pass option (semester-length courses)
March 31	Cesar Chavez Day - Holiday
April 6–12	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	INSTRUCTION ENDS

### SUMMER SESSION 2024

June 15	INSTRUCTION BEGINS
June 26	Deadline to submit all Petitions to Graduate
July 3	Independence Day - Holiday Observed
August 9	INSTRUCTION ENDS

For Santiago Canyon College Continuing Education Instructional Calendar, see page <?>.

### JUNE 2023

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### JULY 2023

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### AUGUST 2023

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### SEPTEMBER 2023

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### OCTOBER 2023

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### NOVEMBER 2023

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### JANUARY 2024

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### FEBRUARY 2024

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### MARCH 2024

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### APRIL 2024

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### MAY 2024

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### JUNE 2024

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### JULY 2024

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

### A MESSAGE FROM THE PRESIDENT



Welcome to the 2023-24 Academic Year!

Like many of you, this is my first academic year at Santiago Canyon College (SCC). I am honored to serve as your president and privileged to welcome you.

As you have decided to continue your education, many of you may be wondering if you made the right choice in attending SCC. First, let me congratulate you on making the decision to continue your education in a post-secondary setting. Next, I want to reassure you that the decision to attend SCC was an excellent one.

For almost 25 years, SCC has served the neighboring communities of Orange, Anaheim, Anaheim Hills, Garden Grove, North Tustin, Placentia, Villa Park, Yorba Linda, as well as California, the United States and other parts of the planet and have become ranked among the top performing community colleges in the nation. Most recently, we were ranked 7th out of the 115 community colleges in California by BestColleges.com.

SCC offers more than 262 certificate and degree programs, including 28 associate degrees for transfer, with transfer agreements with four-year universities. We also offer one of the largest community college adult education programs in California where students

can earn an adult high school diploma, or equivalent certificate, and/or earn one of over 60 career training certificates. We have created an innovative schedule of programs to support and promote success including biology and chemistry labs on Fridays and Saturdays. Whether you are attending classes in-person or are enrolled online you will be taught by excellent faculty who are dedicated to your success.

Finally, we are proud to be recognized as a U.S. Military-Friendly School, a Hispanic Serving Institution (HSI) committed to serving a diverse student population and home to an excellent International Student Program to support the academic advancement of students studying with F-1 visas.

Our motto at SCC is "What Happens Here Matters." Our motto is more than a catchphrase - It is our mission statement. Our award-winning faculty and staff are dedicated to empowering student success. So, whether you plan to earn an associate degree or a certificate or an associate degree to transfer to a four-year university, SCC will assist you in successfully charting your course from today until the end of your academic journey.

Outside of the classroom, SCC actuates a dynamic student life, including championship athletic teams, student government, clubs and other leadership and enrichment opportunities, including award-winning Model United Nations and Forensics teams.

Your decision to take this next step matters. SCC will provide programs and services to support, encourage and challenge you as you work toward your goal. And we will be there every step of the way to celebrate your achievements and help you overcome obstacles

- Because What Happens Here Matters!

I look forward to meeting many of you throughout your journey and wish you the best of success!

Sincerely,

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.

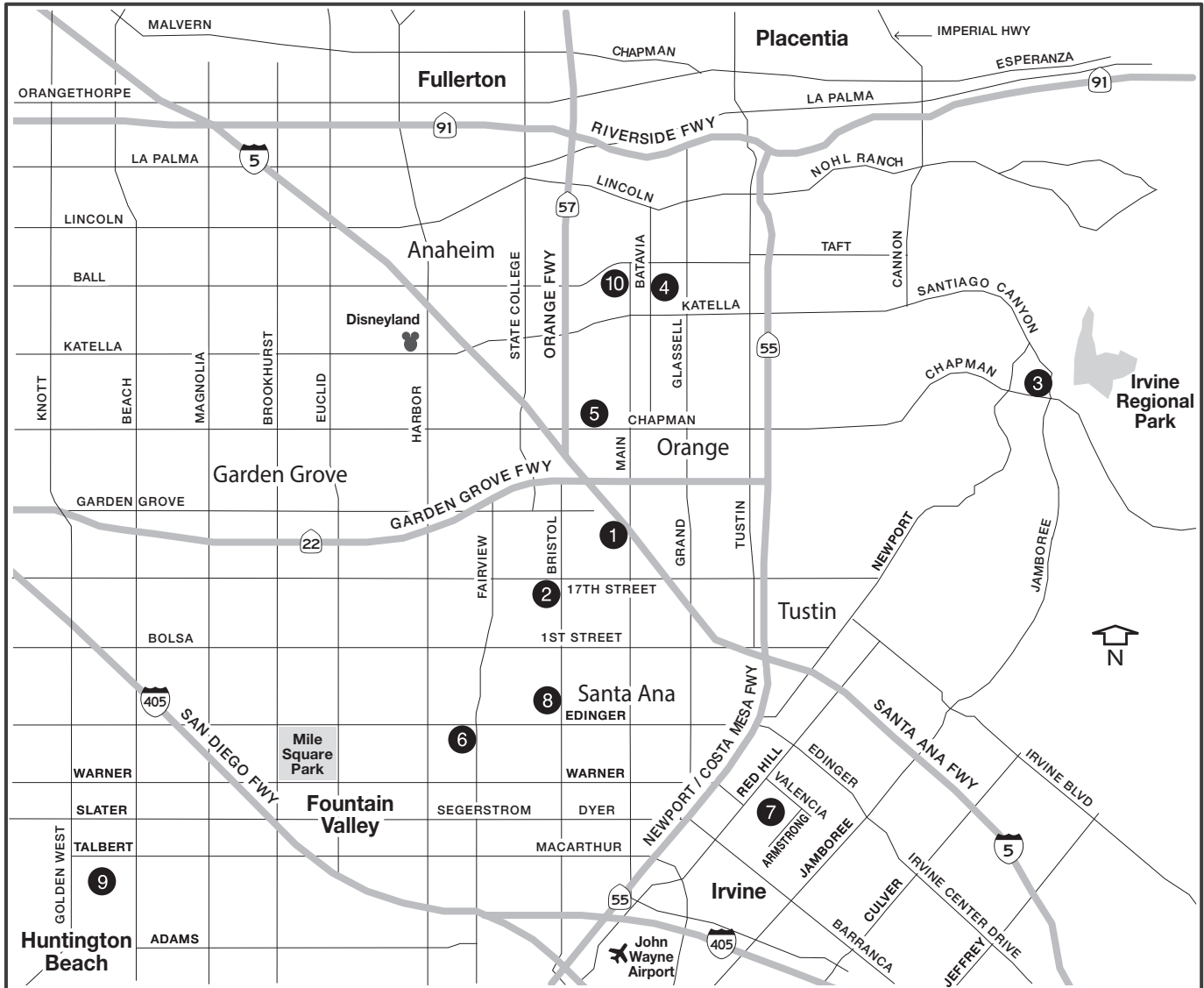
### Santiago Canyon College and Santa Ana College

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

- |   |   |  |
|---|---|--|
| <ol style="list-style-type: none"> <li>1. RSCCD District Office<br/>2323 N. Broadway<br/>Santa Ana, CA</li> <li>2. Santa Ana College<br/>1530 W. 17th St.<br/>Santa Ana, CA</li> <li>3. Santiago Canyon College<br/>8045 E. Chapman Ave.<br/>Orange, CA</li> <li>4. Orange Education Center<br/>1465 N. Batavia St.<br/>Orange, CA</li> </ol> | <ol style="list-style-type: none"> <li>5. OEC Provisional Education Facility<br/>1937 W. Chapman Ave., 2nd Floor<br/>Orange, CA</li> <li>6. Centennial Education Center<br/>2900 W. Edinger Ave.<br/>Santa Ana, CA</li> <li>7. Santa Ana College –<br/>Orange County Sheriff's<br/>Regional Training Academy<br/>15991 Armstrong Blvd.<br/>Tustin, CA</li> <li>8. Digital Media Center<br/>1300 S. Bristol St.<br/>Santa Ana, CA</li> </ol> | <ol style="list-style-type: none"> <li>9. Joint Powers Fire Training Center<br/>18301 Gothard St.<br/>Huntington Beach, CA</li> <li>10. College and Workforce<br/>Preparation Center<br/>1572 N. Main Street<br/>Orange, CA</li> </ol> |
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## 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](http://www.accjc.org/complaint-process).

## District Facilities

Santiago Canyon College is situated on 82 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.



## RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT INFORMATION

### BOARD OF TRUSTEES

President	David Crockett
Vice President	Sal Tinajero Clerk
Vice President	Daisy Tong
Member	Tina Arias
Member, Ed.D.	John R. Hanna
Member	Zeke Hernandez
Member	Phillip E. Yarbrough
Executive Assistant to the Board of Trustees	Maria Vicencio

### RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT ORGANIZATION

#### CHANCELLOR'S OFFICE

Chancellor	Marvin Martinez
Executive Assistant to the Chancellor	Debra Gerard

#### BUSINESS OPERATIONS/FISCAL SERVICES

Vice Chancellor	Iris Ingram
Assistant to the Vice Chancellor	Kennethia Vega

#### Facility Planning & District Construction & Support Services

Assistant Vice Chancellor	Carri Matsumoto
Director—Facility Planning	Tae Kim Supervisor
District Support Services	Joe Melendez
Project Managers	Hugo Curiel

#### Fiscal Services

Assistant Vice Chancellor	Adam M. O'Connor
Manager—Fiscal Services	Erika Almaraz
Accounting Manager—Payroll	Nancy Tanner
Manager—Internal Audit	Shelly Randolph
Budget, Forecasting and Analysis Manager	Thao Nguyen

#### Information Technologies Services

Assistant Vice Chancellor	Yezid "Jesse" Gonzalez
Director of Enterprise and Application Services	Adam Howard
Director—Information Systems	Jorge Forero
Director—Network and Communications	Dane Clacken
Director—Academic and End User Support Services, SCC	Kimberly Perna
Director—Academic and End User Support Services, SAC	Ron Gonzalves

#### Purchasing

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

#### Security/Safety

Chief—District Safety/Security	Ralph Webb
Lieutenant—Santa Ana College	David Waters
Lieutenant—Santiago Canyon College	Vacant
Sergeant—Santa Ana College	Donald Voght, Tiffany Tingirides
Sergeant—Santiago Canyon College	Monte Huotari, Mike Jensen

#### PEOPLE & CULTURE / HUMAN RESOURCES

Vice-Chancellor	Cheng Yu Hou
Interim Assistant to the Vice-Chancellor	Irene Glomba
Assistant Vice Chancellor, Operations, Innovation & Belonging	Alistair Winter
Interim Assistant Vice Chancellor, Learning, Innovation, Wellness & Equity	Sil Han Jin
Assistant Vice Chancellor, Chief of Diversity Officer and Social Impact Officer	Mikaela Brown
Director	Sil Han Jin
Manager, Operations & Employee Processing	Jenna Cooper
Manager—Employee Relations & District Investigations	Gayane Khechoomian

#### RISK MANAGEMENT AND EMPLOYEE BENEFITS

Director, Workplace Safety & Risk Management	Don Maus
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#### EDUCATIONAL SERVICES

Vice-Chancellor	Enrique Perez
Assistant to the Vice-Chancellor	Patricia Dueñez

#### Economic & Workforce Development

Assistant Vice Chancellor	Adriene "Alex"
Davis Director—LAOCRC, Orange County	Adriene "Alex" Davis
Executive Director—Institute for Workforce Development	Vacant

#### Educational Services

Assistant Vice Chancellor	Sarah Santoyo
Program Strategist	Vacant
Administrator for Digital Media Center	Sarah Santoyo

#### Child Development

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—SAC—Child Development Center East	Zeferina Gonzalez
Director—CEC—Child Development Center	Susan Wahl
Director—SCC—Child Development Center	Enriqueta Isais

#### Research & Planning Executive

Director—Research, Planning & Institutional Effectiveness	Nga Pham
Director, Center of Excellence	Jesse Crete

#### Public Affairs & Publications

Director—Public Affairs & Publications	Vacant
Manager—Graphic Communications	Mary Law
Manager—Publications & Electronic Media	Vacant

#### SANTIAGO CANYON COLLEGE

<b>PRESIDENT</b>	Jeannie G. Kim, Ph.D.
Assistant to the President	Ann Kelly

#### College Advancement/Foundation

Director	Kathy White
Development Coordinator	Karen Bustamante

#### 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, M.A.

#### Arts, Humanities & Social Sciences

Dean	Michelle Samura
American College English (ACE), Chair	Pam Hilburn
Anthropology, Chair	Yanina Valdós
Communication, Chair	Tara Kubicka-Miller
Economics, Chair	Alex Taber
English, Chair	Corinna Evett
Ethnic Studies, Chair	Tiffany Gause
Fine Arts, Chair	Robert Miller
Gender, Sexuality, and Women's Studies, Chair	Tiffany Gause
History, Chair	Narges Rabii
Interdisciplinary Studies, Chair	Tiffany Gause
Modern Languages, Chair	Charlie Malone
Performing Arts, Chair	Binh Vu
Philosophy, Chair	Marcelo Pimentel
Political Science, Chair	Nooshan Shekarabi
Psychology, Chair	Emma Roe Breeder
Reading, Chair	Amy Freese
Sociology, Chair	Tiffany Gause
Business & Career Education Dean	Elizabeth Arteaga Associate
Dean	Vacant
Director, Special Programs	Estela Cuellar
Business, Chair	Steven Deeley
Child Development, Chair	Regina Lamourelle, Marianne Laney
Criminal Justice	Andrew Gonis
Education, Chair	Amy Freese
Electronics Technology	Jeffrey Dennis
Gemology, Facilitator	Diana Sanders Cinamon
Marketing, Chair	Steven Deeley
Public Works, Chair	Jeffrey 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 . . . . . Jeffrey Dennis

**Mathematics & Sciences**

Dean & Athletic Director . . . . . Martin Stringer  
 Astronomy, Chair . . . . . Danielle Martino  
 Biology, Co-Chairs . . . . . Denise Foley, Mark Smith  
 Chemistry, Co-Chairs . . . . . Amanda Henry  
 Computer Science, Chair . . . . . Steven Deeley  
 Earth Sciences, Chair . . . . . Angela Daneshmand  
 Geography, Chair . . . . . Vanessa Engstrom  
 Kinesiology, Co-Chairs . . . . . Lisa Camarco, Ian Woodhead  
 Mathematics, Co-Chairs . . . . . Veselka Danova, Alicia Frost, Scott Sakamoto  
 Physics & Engineering, Chair . . . . . Craig Rutan

**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  
 Assistant Vice President of Student Services . . . . . Loretta Jordan

**Student Equity & Success / Student Development**

Interim Dean, . . . . . Joseph Alonzo  
 Scholarship Program Office . . . . . Elizabeth Bergara  
 Veterans Service Office . . . . . Elizabeth Bergara  
 College Assistance Migrant Program (CAMP) . . . . . Miguel U. Luna  
 Guardian Scholars . . . . . Rosemary Touyanou  
 Office of Student Life & Leadership . . . . . Diana Casares  
 Student Support Services – TRIO . . . . . LaKyshia Perez  
 Upward Bound Math & Science (UBMS) . . . . . LaKyshia Perez

**Counseling & Student Support Services**

Dean . . . . . Jennifer Coto, Ph.D  
 Counseling, Co-Chairs . . . . . Leonor Aguilera, Rudy Carrion  
 Articulation . . . . . Leonor Aguilera  
 Career Services . . . . . Maria Chaidez  
 High School & Community Outreach . . . . . Loann Tran  
 Assessment/AB705 . . . . . Dora Escobar  
 Transfer Success Center . . . . . Miguel Luna

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

Facilitator . . . . . Nena Baldizon-Rios

**Enrollment and Support Services**

Dean . . . . . Vacant

**Admissions & Records**

Associate Dean . . . . . Tuyen Nguyen  
 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

**CONTINUING EDUCATION**

Vice President . . . . . Jose F.Vargas  
 Dean, Instruction & Student Services . . . . . Joanne Armstrong  
 Dean, Instruction & Student Services . . . . . Christine Gascon  
 Registrar . . . . . Patricia Alvano  
 Interim Dean, . . . . . Eden Quimzon

**Adult Basic Education/High School Subjects**

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

**Adults with Disabilities**

Coordinator . . . . . Vacant

**Community Services**

Coordinator . . . . . Vacant

**Counseling**

Chair . . . . . Rosa Salazar de la Torre

**English as a Second Language/Citizenship**

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

**Inmate Education Program**

Coordinator . . . . . Vacant

**Older Adults**

Coordinator . . . . . Nancy Parent

**Vocational**

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

**Workforce Preparation**

Coordinator . . . . . Vacant



### 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 Título 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 membresía, 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 membresía 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 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 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





## 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 file an application for admission to the college.

File 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:

Fall semester .....beginning April 1  
 Intersession .....beginning November 1  
 Spring semester .....beginning November 1  
 Summer session.....beginning 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](http://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/AB705

**AB 705 Implementation:** Santiago Canyon College has reformed how placement in mathematics, English, and English as a Second Language (ESL) courses is determined. Signed into law by Governor Brown on October 13, 2017, all California Community Colleges were tasked with implementing Assembly Bill 705. This 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.

### 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 [sccollege.edu/testing](http://sccollege.edu/testing)

#### 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. For English, mathematics, and/or chemistry, some prerequisites are being modified for courses that need to comply with AB 705. Prerequisites include prerequisites, co-requisites, and recommended preparation or advisories. Please contact the Counseling Center for questions about courses with prerequisites that indicate an English or mathematics course as they may now include a different course from the placement profile.

#### 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 to clear prerequisites by one of the following methods:

- Bring transcripts to the Counseling Center (SCC, Room D-106) for verification and prerequisite clearance.
- Submit an online prerequisite clearance



## ADMISSION REQUIREMENTS

request form with supporting documentation at [sccollege.edu](http://sccollege.edu)/counseling and select "Course Prerequisite Clearance."

### 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 student's 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 standard 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 standard 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  
 KINI19 - Personal Fitness Evaluation  
 KINI21A - Basic Step Aerobics  
 KINI25A - Basic Cardio Kickboxing  
 KINI25B - Intermediate Cardio Kickboxing  
 KINI26A - Basic Spin  
 KINI26B - Intermediate Spin  
 KINI27A - Basic Yoga  
 KINI27B - Intermediate Yoga  
 KINI27C - Advanced Yoga  
 KINI28A - Basic Tai Chi  
 KINI40A - Basic Circuit Weight Training  
 KINI40B - Intermediate Circuit Weight Training  
 KINI40C - Advanced Circuit Weight Training  
 KINI46B - Intermediate Strength Training  
 KINI46C - Advanced Strength Training  
 KINI60A - Basic Basketball  
 KINI60B - Intermediate Basketball  
 KINI63A - Basic Indoor Soccer  
 KINI68A - Basic Volleyball  
 KINI68B - Intermediate Volleyball  
 KINI85A - Basic Swimming  
 KINI85B - Intermediate Swimming  
 KINI85C - Advanced Swimming  
 KINI89A - 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 Classical Guitar  
 MUS186 - Intermediate Classical Guitar  
 MUS187 - Advanced Classical Guitar  
 MUS188 - Advanced Classical Guitar Technique and Repertoire  
 PBLC199 - Cooperative Work Experience Education  
 THEA110 - Acting Fundamentals  
 THEA111 - Intermediate Acting  
 THEA118 - Fundamentals of Scene Study  
 THEA180A - Rehearsal and Performance: Drama - Minor/Supporting Role  
 THEA180B - Rehearsal and Performance: Drama - Leading Role  
 THEA181A - Rehearsal and Performance: Comedy - Minor/Supporting Role  
 THEA181B - Rehearsal and Performance: Comedy - Leading Role  
 THEA182A - Rehearsal and Performance: One-Act Plays  
 THEA182B - Rehearsal and Performance: Original One-Act Plays  
 THEA183A - Rehearsal and Performance: Musical - Minor/Supporting Role  
 THEA183B - Rehearsal and Performance: Musical - Leading Role  
 THEA186A - Beginning Technical Theatre Production  
 THEA186B - Intermediate Technical Theatre Production  
 THEA186C - Advanced Technical Theatre Production

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

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

- 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.
- A health fee of \$19 per semester (\$16 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



## ADMISSION REQUIREMENTS

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 \$5.00 for full-time students (enrolled in 12 or more units) and \$4.30 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

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. Foreign students should contact the International Student Office or visit [www.sccollege.edu/international](http://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:

- 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.
- 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 website.
- 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.

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 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](http://www.sccollege.edu/international). All tuition, fees, and expenses are subject to change with new state legislation.

Although SCC does not require proof of immunizations, it is strongly recommended that all students planning on coming to the to study receive all necessary vaccinations and are free of tuberculosis. Students should assure that they are healthy when they come to study in the United States. It is suggested for students to check with Consulate or Embassy for recommended immunizations.

Admitted students are required to purchase the health insurance plan approved by the District. Other outside health care plans are not accepted, except students sponsored by a governmental agency or program or covered by a U.S.-based health plan of a family member. Proof of health insurance is required prior to registration. The college accepts no responsibility for medical expenses incurred by international students. Santiago Canyon College does not provide housing for students; however, our offices offer information resources to help students find housing options. Students can participate in a homestay program arranged through private companies. SCC does not monitor or administer these programs. For housing, information visit [www.sccollege.edu/international](http://www.sccollege.edu/international).

### Registered Sex Offender Information

Current information concerning registered sex offenders can be obtained by going to:

[www.meganslaw.com](http://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 residency in accordance with above "resident" definition and the following:



## ADMISSION REQUIREMENTS

- Married minors may establish their own residence.
- 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.
- 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).
- Exceptions apply under certain conditions to active members of the military.
- Specific residency problems will be answered by the Admissions and Records Office.
- 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:

- 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.
- 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.
- 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.]

- 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. Of the degree, certificate or transfer-seeking first-time, full-time freshmen who entered RSCCD colleges in Fall 2014, the "completion rate" represents those students who earned an Associate's Degree, Certificate of Achievement, or 60 UC/CSU transferable credits within three years.

#### 2014 COHORT COMPLETION RATE

State-29%  
SAC-23%  
SCC-35%

The "transfer rate" represents non-completer students who transferred to any other two- or four-year institution within three years.

#### 2014 COHORT TRANSFER RATE

State-10%  
AC-10%  
SCC-13%

These rates do not represent the success rates of the entire student population at RSCCD colleges nor do they account for student outcomes occurring after this three-year tracking period.

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 2013, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a six-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 six-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 six-year period, from Fall 2013 to Spring 2019. Students who have completed 60 transferable units with a GPA of

2.0 or better are considered 'transfer prepared'. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer prepared' during an eleven-semester period, from Spring 2014 to Spring 2019, 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. Fed Ex Next Day Delivery\* is available for an additional fee of \$18 per delivery address. 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

\*Fed Ex fees subject to change



## ADMISSION REQUIREMENTS

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### **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](http://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 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.

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 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. 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

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

#### Policy for AI Tools Detection in Student Work

At Santiago Canyon College, we recognize the importance of academic integrity and the need to deter plagiarism and other forms of academic



## COLLEGE POLICIES AND PROCEDURES

misconduct. To this end, we may use Artificial Intelligence (AI) tools to detect the use of AI in student work. However, we must ensure that student privacy and confidentiality are protected, and therefore, we will not disclose any identifiable information within the text that we are submitting to AI.

We acknowledge that the use of AI detection is a new and developing area, and as such, it may not always be reliable. Additionally, there are many AI tools available, and some may not be detectable by AI detection software.

We understand that false positives can occur with AI detection, which could result in a student being accused of academic misconduct unfairly. Therefore, we will take steps to ensure that any suspicions raised by AI tools are thoroughly investigated before any action is taken. In summary, while we recognize the potential benefits of using AI tools to detect academic misconduct, we are committed to protecting student privacy and confidentiality. We will ensure that any such tools are used fairly, and we will take care to investigate any concerns raised by AI detection thoroughly.

### Procedures

In cases where a violation of academic honesty is discovered, the faculty member is encouraged to 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 assignment. 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/2021-2022.Catalog/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



## COLLEGE POLICIES AND PROCEDURES

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.

### Online Drop Policy

Students are expected to complete regular and substantive coursework in online classes. In distance education context, 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. Completing an assignment on the first day of the class may also be required in order to avoid being dropped from the class. Please refer to the class syllabus and the class section information, found in the class schedule, for the specific attendance (regular and substantive coursework) requirements.

### Online Drop Policy for Emergency Situations

During the current pandemic and in emergency situations, students are expected to complete regular and substantive coursework in online classes. In distance education context, 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. In Hybrid classes, students are expected to attend all scheduled classroom hours. Students who fail to submit regular and substantive coursework may be dropped from the class. Completing an assignment on the first day of the class may also be required in order to avoid being dropped from the class. Please refer to the class syllabus and the class section information, found in the class schedule, for the specific attendance (regular and substantive coursework) requirements.

### Basic Skills Course Limit

Students are limited to 30 units of transfer preparation and non-degree coursework. Students who reach 30 units

of transfer preparation and non-degree coursework are prevented from further registration. The student must complete a petition form and meet with a counselor who advises the student on a comprehensive student education plan or refers the students to continuing education.

A waiver is required beyond 30 units. Students must show a "C" or better or a 2.0 GPA in basic skills courses to qualify for a waiver. Waiver forms are available in the Admissions and Records Office and the Counseling Office.

### Career Technical Education (CTE) Transitions

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

### Classification of Students

Special Admit- one who is concurrently enrolled in high school  
 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 WebAdvisor 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. After two enrollments, the student loses the ability to register for the class online. 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).





## COLLEGE POLICIES AND PROCEDURES

### 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 student's GPA.

### Significant Change in Industry or Licensure Standards

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

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

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

### Active Participatory Courses

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

### Honors Courses

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

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

BP 4225 Course Repetition AR 4225 Course Repetition

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

#### Eligible Courses

AEL 051

Arts, Humanities, and Social Sciences/Library: CJ 101  
 Mathematics and Sciences: MATH 140, 171, 180, 219, 220; 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.



## COLLEGE POLICIES AND PROCEDURES

### 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 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



## COLLEGE POLICIES AND PROCEDURES

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 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

Per Board Policy 3550: 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, which may include referral to an appropriate rehabilitation program, the Employee Assistance 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. Please refer to Board Policy 3550 for additional information.

### 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](http://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.



## COLLEGE POLICIES AND PROCEDURES

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

### Experimental Courses

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

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

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

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

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

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

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

Santiago Canyon College contracts with the following School Officials:

Auditors (Vicenti-Lloyd-Stutzman)  
Barbering/Cosmetology  
Unilateral Training Committee  
California/Nevada Training Trust  
CCCApply (Unicom)  
Parchment (Online transcript request)  
Ellucian Colleague  
ECS Imaging (optical imaging)  
Electrical Training

Trust Image Now (optical imaging)  
Medpro and Quest (Health Center)  
Metropolitan Water District of Southern California  
National Student Clearinghouse  
Operating Engineers Training Trust SARS (Counseling center)  
Santa Ana Beauty Academy  
Southern California Surveyors  
Southwest Carpenters Training Fund Xerox

### Free Expression

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

### General Grievances

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

### Procedure

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

Procedure: Students 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.



## COLLEGE POLICIES AND PROCEDURES

### Discrimination Complaints

Rancho Santiago Community College District is committed to maintaining an inclusive community that values diversity and fosters tolerance and mutual respect. We embrace and encourage our community differences in race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, or sexual orientation of any person, or military and veteran status, or because they are perceived to have one or more of the foregoing characteristics. These characteristics make our community unique. All individuals have the right to participate fully in the District's programs and activities free from discrimination, harassment, and retaliation on the basis of any protected category.

Rancho Santiago Community College District prohibits discrimination and harassment of any kind on the basis of age, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, or sexual orientation of any person, or military and veteran status, or because they are perceived to have one or more of the foregoing characteristics in the programs and activities that it operates, and is required by federal law not to discriminate.

The prohibition on harassment includes sexual harassment, as well as sexual misconduct, dating and domestic violence, and stalking. For more information regarding the RSCCD's commitment to fostering an educational environment free of discrimination or harassment on the basis of gender or sexual orientation, including dating violence, domestic violence, sexual assault, and stalking, please contact the Title IX Coordinator or visit [www.rscdd.edu/titleix](http://www.rscdd.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@rscdd.edu](mailto:CivilRights@rscdd.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@rscdd.edu](mailto:civilrights@rscdd.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

Excellent 4 (per unit earned)  
Good 3 (per unit earned)  
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)  
Withdrawal 0 (no units earned)  
EW - Excused Withdrawal 0 (no units earned)  
MW - Military Withdrawal 0 (no units earned)  
UW - Unauthorized Withdrawal 0 (no units earned)  
WF - Withdrawal, Failing 0 (no units earned)  
I - Incomplete 0 (no units earned)  
CIP - Currently In progress 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.  
CP - 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



## COLLEGE POLICIES AND PROCEDURES

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 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 student parking. Vehicles in these areas are required to display one of the following: District-issued disabled permit, state 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. 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](http://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](http://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. 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 Degree 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

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 408  
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,



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

### Important Definitions

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

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

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

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

### Prerequisite Policy

Prerequisite means the preparation or previous course work considered necessary for success in the course. The College requires students to complete prerequisites as pre-enrollment preparation.

Prerequisites which are listed in the College Catalog include:

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

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

### Prerequisite Challenge Process

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

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

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

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

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

### Student Right to Appeal

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,



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specific behavior, or if you would like to discuss a concern with an administrator, please contact the Title IX Coordinator at (714) 480-7404.

Additional off-campus resources can be found below. 949-831-9110

<https://waymakersoc.org/Human> Options: 1-877-854-3594

<https://humanoptions.org/Supporting> Survivors: 714-517-6100

<http://www.ochealthinfo.com/bhs/services/support/ss>Laura's House: 866-498-1511

<https://www.laurashouse.org/National> Suicide Prevention Lifeline: 1-800-273-8255

<https://suicidepreventionlifeline.org/>

Rape, Abuse & Incest National Network: 1-800-656-HOPE

<https://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.rscdd.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](mailto:De_La_Rosa_Jennifer@sccollege.edu)  
Phone: 714-480-7404

[www.rscdd.edu/titleix](http://www.rscdd.edu/titleix)

Deisy Covarrubias Deputy

Title IX Coordinator Santiago Canyon College  
8045 E. Chapman Ave., Orange, CA 92869

Email: [covarrubias\\_deisy@sccollege.edu](mailto:covarrubias_deisy@sccollege.edu)  
Phone: 714-628-4933

Any individual can submit a report by using the following link: [www.rscdd.edu/incidentreportingform](http://www.rscdd.edu/incidentreportingform) Applicable regulations, resources, and additional information can be found at [www.rscdd.edu/titleix](http://www.rscdd.edu/titleix) or [www.rscdd.edu/civilrights](http://www.rscdd.edu/civilrights) 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. 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





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take reasonable steps, in the circumstances known to the Respondent at the time, to ascertain whether the complainant affirmatively consented. It shall not be a valid response that the Respondent believed that the Complainant affirmatively consented to the sexual activity if the Respondent knew or reasonably should have known that the Complainant was unable to consent to the sexual activity under any of the following circumstances: The Complainant was asleep or unconscious. The Complainant was incapacitated due to the influence of drugs, alcohol, or medication so that the Complainant could not understand the fact, nature, or extent of the sexual activity. The Complainant was unable to communicate due to a mental or physical condition.

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

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

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

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

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

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

Investigator means the person tasked by the District with investigating a Complaint. All Investigators shall receive annual training regarding such issues as the laws governing Title IX and VAWA/Campus Save Act; as well as other related state and federal laws prohibiting discrimination, harassment, and retaliation based on gender or sex, including sex discrimination, sexual harassment, sexual misconduct, dating, and domestic violence, and stalking; complainant, respondent, employee, and witness privacy rights; and the Family Educational Rights and Privacy Act of 1974 (FERPA). Notice means that an employee, student, or third-party informs the Title IX Coordinator or other Official with Authority of the alleged occurrence of harassing, discriminatory, and/or retaliatory conduct. Official with Authority (OWA) means an employee of the District explicitly vested with the responsibility to implement corrective measures for sexual harassment and/or retaliation on behalf of the District.

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

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

Resolution Process refers broadly to the process for addressing Formal Complaints either by informal resolution or through a Formal Grievance Process that includes investigation, live hearing, and appeal. Respondent means an individual who has been reported to be the perpetrator of Prohibited Conduct, as defined herein.

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

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

- A. Quid Pro Quo Sexual Harassment: When an employee of the District conditions (implicitly or explicitly) the provision of aid, benefit, or service of the District on an individual's participation in unwelcome sexual conduct; or
- B. Hostile Environment Sexual Harassment: Unwelcome conduct determined by a reasonable person standing in the shoes of the Complainant to be so severe, pervasive, and objectively offensive that it effectively denies a person equal access to the District's education program or activity; or
- C. Sexual assault, dating violence, domestic violence, or stalking, as defined herein.
  - 1. Sexual assault means any sexual act (forcible or non-forcible), directed against another person, without the consent of the victim, including instances where the victim is 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.rscdd.edu/report](http://www.rscdd.edu/report)**

Applicable regulations, resources, and additional information can be found at [www.rscdd.edu/titleix](http://www.rscdd.edu/titleix) or [www.rscdd.edu/civilrights](http://www.rscdd.edu/civilrights) Student/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.



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

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

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

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

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

- A description of the alleged violation(s), a list of all policies allegedly violated, a description of the applicable procedures, and a statement of the potential sanctions/ responsive actions that could result.
- The time, date, and location of the hearing and a reminder that attendance is mandatory, superseding all other campus activities. Any technology that will be used to facilitate the hearing. Information about the option for the live hearing to occur with the Parties located in separate rooms using technology that enables the Decision-maker(s) and Parties to see and hear a party or witness answering questions. Such a request must be raised with the Title IX Coordinator at least five (5) business days prior to the hearing.

- A list of all those who will attend the hearing, along with an invitation to object to any Decision-maker on the basis of demonstrated bias. This must be raised with the Title IX Coordinator at least two (2) business days prior to the hearing.
- Information on how the hearing will be recorded and on access to the recording for the Parties after the hearing. A statement that if any party or witness does not appear at the scheduled hearing, the hearing may be held in their absence, and the party's or witness's testimony and any statements given prior to the hearing will not be considered by the Decisionmaker(s). For compelling reasons, the Hearing Chair may reschedule the hearing.
- Notification that the Parties may have the assistance of an Advisor of their choosing at the hearing and will be required to have one present for any questions they may desire to ask. The party must notify the Title IX Coordinator if they do not have an Advisor, and the District will appoint one. Each party must have an Advisor present. There are no exceptions.
- A copy of all the materials provided to the Decision-maker(s) about the matter, unless they have been provided already.
- An invitation to contact the Title IX Coordinator to arrange any disability accommodations, language assistance, and/or interpretation services that may be needed at the hearing, at least seven (7) business days prior to the hearing.
- A statement that Parties cannot bring mobile phones/devices into the hearing.

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



## COLLEGE POLICIES AND PROCEDURES

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.rscdd.edu/Departments/TitleIX/Pages/default.aspx>

### Sexual Harassment Complaints (Title IX)

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

gender expression, age, or sexual orientation of any person, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics.

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

2323 N Broadway, Suite 407-2,  
Santa Ana, CA 92706 Telephone Number 714-480-7489  
The procedures for filing and investigation of a discrimination complaint can be found at: [www.rscdd.edu/Trustees/Pages/AR-3435.aspx](http://www.rscdd.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 an 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.



## COLLEGE POLICIES AND PROCEDURES

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

### Standards of Student Conduct

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

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

### Guidelines for Student Conduct

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

- A. Dishonesty, cheating, plagiarism, lying, or knowingly furnishing false information to the district or college officials performing their duties.
- B. Forgery, alteration, or misuse of district documents, records, or identification.
- C. Willful misconduct that results in damage to any real or personal property owned by the district or district employees (damage includes, but not limited to vandalism, such as cutting, defacing, breaking, etc.).
- D. Obstruction or disruption of pedestrian or vehicular traffic or of teaching, research, administration, or of other district activities on or off District premises. This includes obstruction or disruption of administration, disciplinary procedures or authorized college activities.
- E. Assault, battery, or any threat of force or violence upon a student, college personnel, or campus visitor; willful misconduct which results in injury or death to a student, college personnel, or campus visitor. This includes fighting on district property or at a district sponsored event, on or off district premises.
- F. Detention of any person on district-owned or controlled property or at district-sponsored or supervised functions or other conduct which threatens or endangers the health or safety of another.
- G. Theft of any property of the district which includes property of a member of the district community or a campus visitor.
- H. Unauthorized entry into or unauthorized use of district property, supplies, equipment, and/or facilities.
- I. Misrepresentation of oneself or of an organization to be an agent of the district.
- J. Sexual assault or physical abuse, including rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, or threat or assault, or any conduct that threatens the health

- and safety of the alleged victim, which includes students, college personnel, or campus visitors.
- K. Use, possession, distribution, or being under the influence of alcoholic beverage on district property or at any district sponsored event.
  - L. Use, possession, distribution, or being under the influence of narcotics, other hallucinogenic drugs or substances, or any poison classified as such by Schedule "D" in Section 4160 of the Business and Professions Code on District property or at any District-sponsored event except as expressly permitted by law.
  - M. Expression which is libelous, slanderous, obscene or which incites students so as to create a clear and present danger of commission of unlawful acts on district premises, or violation of district regulations, or the substantial disruption of the orderly operation of the college.
  - N. Engaging in lewd, indecent, or obscene behavior on district property or at any district-sponsored function.
  - O. Possession or use while on the district premises, or a district-sponsored function, of any firearm, knife, explosive, or other dangerous object, including but not limited to any facsimile firearm, knife or explosive. Exceptions include those participating in a criminal justice educational program who are authorized such possession or those who are enrolled in a course which authorizes such possession.
  - P. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any district policy or administrative regulation.
  - Q. Engaging in harassing or discriminatory behavior based on race, sex (i.e., gender), religion, age, national origin, disability, sexual orientation or any other status protected by law.
  - R. Continuous disruptive behavior or willful disobedience, habitual profanity or vulgarity, open and persistent abuse of college personnel, or open and persistent defiance of the authority of college personnel, which includes physical as well as verbal abuse, including the use of racial epithets and hate speech.
  - S. Disruptive written or verbal communication, vulgarity, open and persistent abuse of other students which include verbal abuse, racial epithets and hate speech. Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.
  - T. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the Board of Trustees;
  - U. Violation of the Computer Usage Policy is applicable to students using computer classrooms, computer labs, the wireless network or other locations on and off district property. A violation is considered any of the following:
    - a. Accessing with or without permission or causing to be accessed without authorization, altering, damaging, deleting, hacking, destroying, or otherwise using any data, computer, computer

- b. 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.



## COLLEGE POLICIES AND PROCEDURES

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### 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.

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 online.

Transfer coursework may also be used to meet CSU or IGETC 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.

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 SCC counselor to discuss unintended consequences.

### Unit of Credit

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

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

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

Reference Board Policy P4023 Hours and Units/ Administrative Regulation 4023 Hours and Units Reference(s):

Title 5 Sections 55002, 55002.5, 55256.5  
Code of Federal Regulations: 34 CFR 668

### Withdrawal From Class

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

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

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

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

(See also Course Repeatability and Repetition.)

## EXTENUATING CIRCUMSTANCES

### Excused Withdrawal (EW)

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

### Military Withdrawal (MW)

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

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

### Withholding of Student Records

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



## 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](http://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](http://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 CAM Planning 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](http://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



## STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

to re-enroll. Further information will be found in the academic program of the catalog.

### 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 [dspd@sccollege.edu](mailto:dspd@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](http://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 summer success program, book services, 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 single parents receiving cash aid with children under the age of fourteen. CARE services are in addition to EOPS and may include additional book services, transportation assistance, and group support activities.

For more information regarding eligibility call (714) 628-4915 Financial Aid Services

The Financial Aid Office administers federal and state student aid programs designed to assist students who are unable to meet the cost of education. Financial aid is available to qualified students to help meet the cost of tuition, books, supplies, and other educational materials. Students may also be eligible to have their enrollment fee waived. Financial aid staff are available to answer questions and help students through the financial aid process. Students are encouraged to submit their Free Application for Federal Student Aid (FAFSA) or the California Dream Act Application (CADAA) as soon as possible. Financial Aid applications can be submitted starting October 1st each year. The Financial Aid Office is located in room E-104. For more information, please visit [www.scccollege.edu/financialaid](http://www.scccollege.edu/financialaid).

### 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 Resource 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 [foundaton@scccollege.edu](mailto:foundaton@scccollege.edu) or call (714) 628-4790.

### Guardian Scholars

The SCC Guardian Scholars Program serves ambitious, college bound students who are current and former foster youth pursuing 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.scccollege/foodpantry](http://www.scccollege/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.scccollege.edu/outreach](http://www.scccollege.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





## STUDENT AND ACADEMIC SUPPORT SERVICES AND OPPORTUNITIES

of at least 3.25; be in good standing at the college;

- display commitment to the field of communication.Honors Program and Honors Courses

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

### Requirements to enroll in an Honors class

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

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.

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

Applications are not accepted from students who are not currently enrolled.Application, procedures, and deadlines are available on the Honors Program website: [www.scccollege.edu/honors](http://www.scccollege.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.scccollege.edu/honors](http://www.scccollege.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.
- Completion of 18 honors units from any category.

### OR

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

### President’s Scholar

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



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Program requirements. It is also placed on the diploma of students who earn an associate degree.

### Language Lab

Santiago Canyon College offers a state-of-the-art language lab for students enrolled in Spanish, Italian, French, and American Sign Language courses. Our main objective in the Language Lab is to provide students with a variety of directed learning activities to supplement and complement classroom instruction and enhance their language learning experience. In addition, we provide a comfortable learning environment where students are able to access other resources such as interactive computer programs, games, audio, video, and reading materials, carefully arranged and selected for students' specific level to assist them in the development of their listening, speaking, reading and writing proficiency skills.

### 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?

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/LearningCommunities>

### 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](http://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

### Online Student Services

The SCC Student Services website, [www.sccollege.edu/StudentServices](http://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.

### Project RISE

Project RISE is a year-round program for both credit and non-credit 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](mailto: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



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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 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. Supplemental Instruction Website

### 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](http://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](http://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](http://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-9/11 GI Bill® and VR&E Beneficiaries (Chapter 33 and Chapter 31 beneficiaries) The Veterans Benefits



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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

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 [scccollege.edu/alumni](http://scccollege.edu/alumni), email [alumni@scccollege.edu](mailto:alumni@scccollege.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.scccollege.edu/studentlife](http://www.scccollege.edu/studentlife) or call (714) 628-4913.

### Black Legacy Achievement Center of Knowledge (B.L.A.C.K.)

The Santiago Canyon College B.L.A.C.K. program is devised to intentionally assist Black, and all students of color, with the skills and empowerment needed to identify the strength of their legacy and use their academic cornerstones to build their own.

#### 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

The Umoja Program is a statewide community network of resources and educators, who are "committed to the personal growth and self – actualization of African American and other students".

Students here at SCC will benefit from services and programs like; advising, counseling, books, learning communities, program space, food, 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 Black Excellence, and to discuss the real issues that affect students and the broad African American / Black community.

Umoja Program Office: B-212 Umoja Hours: Online Chat 1:00pm to 5pm (Chat Link Below) Email: [umoja@scccollege.edu](mailto:umoja@scccollege.edu)

To meet with the Umoja Counselor contact 714-628-4915.

### 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 transition 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, impromptu, 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](mailto: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](mailto: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)



## STUDENT LIFE AND LEADERSHIP

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## 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](http://www.studentaid.gov)) or California Dream Act Application (CADAA, [dream.csac.ca.gov](http://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). Once you have applied for financial aid, you will receive a Student Aid Report (SAR). The SAR includes your Expected Family Contribution (EFC). An EFC is used to determine your Pell Grant and California College Promise Grant (Method C) eligibility. The California Student Aid Commission will notify you of your Cal Grant eligibility. Each college you have listed on the FAFSA or CADAA may send you additional forms to be completed and turned into the Financial Aid Office. After all required

documents have been processed; you will be awarded the financial aid programs you are eligible for and an Award Offer will be emailed to you. If your family circumstances have changed, due to illness, loss of a job, etc., ask about "Special Circumstances" that could affect your eligibility.

### 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](http://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





## FINANCIAL AID AND SCHOLARSHIPS

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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 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.

### 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 non-credit 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.scccollege.edu/scholarship](http://www.scccollege.edu/scholarship). Students can contact the SCC Scholarship Office by visiting E-104 or emailing [scholarship@scccollege.edu](mailto:scholarship@scccollege.edu).

### 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://scccollege.edu/StudentServices/FinancialAid/Pages/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.scccollege.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

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer," an established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable course work with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

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

\* Career Education (CTE) training opportunities

For information regarding Gainful Employment and our programs, please visit our website at [www.sccollege.edu/gainfulemployment](http://www.sccollege.edu/gainfulemployment)

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 • 2023–2024

### 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 D: 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 by 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 2022 and are valid through Summer 2023.

#### 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 D 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, certificate, CSU Certification and/or IGETC Certification. Petitions for graduation should be filed in the Admissions and Records Office at Santiago Canyon College when a student has completed at least 30 units or one semester prior to the expected semester to graduate. Students who maintain continuous enrollment have the option to meet the associate degree or certificate requirements as listed in the catalog in effect at the time of first enrollment or any subsequent year.

Continuous enrollment is defined by earning a notation on a transcript (letter grade, VV, 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.

Significant changes were made to the CSU General Education Breadth Pattern Plan B effective Fall 2021 and IGETC-Plan C effective Fall 2023. However, students who began Santiago Canyon College (or another CCC or CSU) prior to Fall 2021 (CSU) or Fall 2023 (UC) will be permitted to use previous catalog years for CSU GE and IGETC pattern if they maintained the CSU continuous enrollment definition. Please consult a SCC counselor for additional information.

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.



# GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE DEGREE • PLAN D • 2023–2024

## Philosophy

General Education requirements at Santiago Canyon College reflect the conviction that those who receive degrees must possess in common certain basic principles, concepts, and methodologies, both unique to and shared by various disciplines. General Education prepares the college student to comprehend and contribute to the modern world, to understand our regional, national, and international cultural diversity as well as our shared cultural heritage, to reinforce an awareness of self as well as others, and to instill an ongoing intellectual curiosity and commitment to learning.

The subject matter of General Education courses is designed to be general, broad, and introductory rather than specialized, narrow, or advanced. General Education courses form a pattern of learning experiences designed to provide educational opportunities that lead to the following outcomes for students:

Learn About Self and Others, Academic and Professional Issues

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

### A. Language and Rationality

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

#### A1. English Composition

Courses in this category enable students to write clearly and effectively, particularly for the purposes of conducting an analysis, presenting a point of view, or expressing an idea or opinion; to read critically and perceptively in a variety of fields and from a variety of texts; and to reason in a logical and coherent fashion, recognizing and avoiding common fallacies of thought.

### A2. Critical Thinking/Composition

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

### A3. Oral Communications

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

### B. Mathematics and Quantitative Reasoning

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

### C. Humanities

Courses in humanities study the cultural activities and artistic expressions of human beings. They assist in developing an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation, and in developing aesthetic understanding and an ability to make value judgments. This category includes introductory or integrative courses in the arts, foreign languages, literature, philosophy, and religion (Title 5 Section §55063). **C.I. Art** Courses that fulfill this requirement should enable student to examine and respond to the world as it has been represented over time and across cultures in visual, aural, tactile, and dramatic forms; to express their ideas and attitudes in an artistic medium; and to appreciate the contributions that the fine arts have made in establishing and preserving our cultural and historical traditions.

### C2. Humanities

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

### D. Social and Behavioral Sciences

Courses in the social and behavioral sciences focus on people as members of society. They assist in developing an awareness of the methods of inquiry used by the social and behavioral sciences. Critical thinking is stimulated about the ways people act and have acted in response to their societies, and appreciation is developed of how societies and social groups operate. This category includes introductory or integrative survey courses in cultural anthropology, economics, history, political science, psychology, sociology, cultural geography, and related disciplines (Title 5 Section §55063).

### DI. Gender Sexuality and Women's Studies

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

### D2. Social and Behavioral Sciences

Courses in the social and behavioral sciences focus on people as members of society. They assist in developing an awareness of the methods of inquiry used by the social and behavioral sciences. Critical thinking is stimulated about the ways people act and have acted in response to their societies, and appreciation is developed of how societies and social groups operate. This category includes introductory or integrative survey courses in cultural anthropology, economics, history, political science, psychology, sociology, cultural geography, and related disciplines.

### E. Natural Sciences

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

### E1. Physical Sciences

Physical Sciences is the study of inanimate natural objects including astronomy, chemistry, geography, geology, and physics.

### E2. Biological Sciences

Biological Sciences is the study of living organisms, and includes plants, animals, bacteria, and fungi. Biology studies their molecular and cellular structures as well as the whole organism and includes structure-function relations and organismal behavior.



## GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE DEGREE • PLAN D • 2023–2024

### A. Language and Rationality

(6 units or more are required)

Select one course from A1 and one course from A2 or A3.

#### A1. English Composition

English 100 or 101\*/101H\*

#### A2. Critical Thinking/Composition

Communication 111\*\*

English 102\*/102H\*, 103\*/103H\* Philosophy 110\*, 111 Reading 150, 151

#### A3. Oral Communications

Communication 100\*/100H\*, 101, 110, 111\*\*

### B. Mathematics and Quantitative Reasoning

(3 units are required)

Math 105, 140\*, 150\*, 171\*, 180\*/180H\*, 185, 203, 219\*/219H\*, 220\*, 225, 280, 287, 290, 295  
Sociology 125\*/125H\*

### C. Humanities

(3 units are required)

Select one course from either C1 or C2.

#### C1. Art

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

#### C2. Humanities

American Sign Language 110, 111, 116, 210  
Chinese 101, 102  
English 102\*/102H\*, 231, 232, 233A, 233B, 241, 242, 279, 270, 271, 272, 278  
French 101, 102, 201, 202  
History 101\*\*/101H\*\*, 102\*\*/102H\*\*, 132, 142  
Italian 101, 102, 194, 195, 201, 202 Philosophy 106\*/106H\*, 108, 112, 115, 118, 120  
Spanish 101\*/101H\*, 101A & 101B, 102\*, 110, 111, 194, 195A, 195B, 201, 202, 213  
Gender, Sexuality, and Women Studies 101, 102, 103

### D. Social and Behavioral Sciences

(3 units are required)

Select one course from either D1 or D2.

#### D1. Gender, Sexuality, and Women's Studies

Gender, Sexuality, and Women Studies 101, 102, 103

#### D2. Social and Behavioral Sciences

Anthropology 100\*/100H\*, 103, 104  
Child Development 107, 110, 221 Cinema Studies 105\*\*

Communication 120\*/120H\*, 225\*/225H\*  
Computer Science 100  
Counseling 150, 152  
Criminal Justice 101  
Economics 101, 102  
Education 101  
Geography 100\*/100H\*, 102/102H  
History 101\*\*/101H\*\*, 102\*\*/102H\*\*, 115, 118, 120\*/120H\*, 121\*/121H\*, 124, 126, 127, 132, 133, 142, 152, 162, 240  
Interdisciplinary Studies 155  
Kinesiology 109  
Political Science 101\*/101H\*, 110, 150, 200\*/200H\*, 201, 220, 221, 222, 230  
Psychology 100\*/100H\*, 157\*, 160, 170, 180, 190, 200\*\*, 220, 230, 240, 250  
Sociology 100\*/100H\*, 115, 116, 120, 130, 150, 220, 240\*/240H\*, 286

### E. Natural Sciences

(3 units are required)

Select one course from either E1 or E2.

#### E1. 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 Utility Science 107

#### E2. Biological Sciences

Anthropology 101  
Biology 109\*/109H\*, 115, 139, 149, 190, 211, 221, 229, 231, 239, 249, 259, 290  
Psychology 200\*\*

### F. Required Proficiencies

Courses taken to meet these proficiencies must be completed with a grade of "C" or better.

#### F1. Mathematics

Completion of any 3-unit mathematics course at the Intermediate Algebra level or above OR Placement into Math 140, 150, 171, or 180 without a recommended support course based on Santiago Canyon College's qualifying profile by the math placement process.  
OR  
Completion of Algebra II in high school with a grade of "C" or better.

#### F2. Reading

Completion of Reading 102, 150, or 151 with a grade of "C" or better OR  
Completion of English 102\*/102H\*, English 103\*/103H\*, Philosophy 110, or Philosophy 111 with a grade of "C" or better.  
Graduation Requirement  
Completion of 3 units with a grade of "C" or better.

### G. Ethnic Studies

Ethnic Studies 101, 110, 120, 130, 140

Schedules for proficiency examinations are announced each semester in the Schedule of Classes. Applicants must be currently enrolled or completing graduation requirements in order to take the proficiency examinations. International coursework may not be used to fulfill the following general education requirements: A: English Composition  
Ethnic Studies

### G2: Reading Proficiency

# Course does not transfer to CSU or UC

\* UC credit may be limited. (1) No credit given for an introductory course if taken after more advanced college course, (2) credit may be limited for courses with overlapping content, (3) duplicate credit will not be awarded for both the 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. Courses that are underlined meet the CSU U.S History, Constitutions and American Ideals Graduation Requirement



## 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 [www.sccollege.edu/transfer](http://www.sccollege.edu/transfer), and 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](http://www.assist.org). There are four segments of higher education in California.

the University of California (UC) system - 10 campuses

the 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 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 UC Transferable 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](http://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 SCC 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: 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](http://www.assist.org). Students should meet with a counselor for additional information about major programs and requirements.

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.

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 as well as a broad liberal education. The CSU offers more than 1,800 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 maximum of 70 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. California State University Admissions Requirements for Transfer Students

### 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 grade point average of 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 last 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, four courses completed in the following general education areas:
- A1 – Oral Communication, A2 – Written Communication, A3 – Critical Thinking, and B4 – Mathematics/Quantitative Reasoning.
- Intersegmental General Education Transfer Curriculum (IGETC) for CSU: IA – Written Communication, IB – Critical Thinking, IC – Critical Thinking, and 2 – Mathematical Concept and Quantitative Reasoning. If the CSU GE areas A1, A2, A3, and B4 courses double-count as a major and general education requirement, it is highly recommended courses are completed with a grade of C or better for certification.
- Will complete additional general education units that comprise the total CSU general education pattern of 39 units.

**Note:** Some CSU campuses may impose a higher GPA admission standard based on impacted major or impacted campus status. **Lower-Division Transfer**

A student may be admitted as a lower-division transfer (completion of less than 60 semester units) if the following conditions are met:

- Have completed "a-g" course requirements in high school;



## TRANSFER TO OTHER COLLEGES

- Have graduated from high school (received a high school diploma or General Educational Development, or GED, certificate); meet the Eligibility Index required of a first-time freshman;
- Have achieved an overall college GPA of at least 2.00 (This GPA is calculated using all transfer units attempted. In case of high-demand majors and campuses, a GPA of 2.00 may not be sufficient to be admitted);
- Be in good standing at the last college or university you attended. (In simple terms, “good standing” means you are eligible to re-enroll at your last college or university); and
- Have completed, with a grade of C- or better, a course in GE Section A2 in written communication and a course in GE section B4 in mathematics or quantitative reasoning.

### General Education Requirements for California State University

To earn a bachelor's degree from the California State University, each student must complete a program of general education. Santiago Canyon College offers general education programs which will enable students to meet the lower-division general education requirements for all CSU campuses prior to transfer. Students can complete either the CSU General Education Breadth Requirements (Plan B) or the Intersegmental General Education Transfer Curriculum (IGETC/Plan C) for CSU.

### Plan B CSU General Education Breadth Requirements

For specific courses which meet these requirements see the Educational Plans section of the online catalog. Students who complete Plan B are eligible to receive a Certificate of Achievement in General Education (CSU).

- A. COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING – 9 units
- B. THE PHYSICAL UNIVERSE AND ITS LIFE FORMS – 9 units
- C. ARTS, LITERATURE, PHILOSOPHY, FOREIGN LANGUAGE – 9 units
- D. SOCIAL POLITICAL AND ECONOMIC INSTITUTIONS AND BEHAVIOR; HISTORICAL BACKGROUND – 6 units

New and returning students BEGINNING Fall 2021 or later – MUST take 6-semester units from any discipline.

Students enrolled at SCC BEFORE Fall 2021 and have maintained continuous enrollment – MUST take 9-semester units from at least 2 different disciplines.

- E. LIFELONG UNDERSTANDING AND SELF DEVELOPMENT – 3 units
- F. ETHNIC STUDIES – 3 units

New and returning students Beginning Fall 2021 or later – MUST complete Area F

Students starting SCC BEFORE Fall 2021 and have maintained continuous enrollment – do not need to complete Area F. Instead, students MUST complete Area D.

All California State Universities have a graduation requirement in U.S. History, Constitution, and American Ideals. This requirement can be satisfied before or after transfer to a CSU by taking coursework in three areas

US-1, US-2, and US-3. A student must take one course from each of the three areas. A student may use the same course to satisfy more than one area (US-1, US-2, US-3) if applicable. Courses meeting this requirement may also be counted toward certification in general education.

US-1: Historical Development of American Institution and Ideals:

Ethnic Studies 110, 120, 130, 140, History 118, 120, 120H, 121, 121H, 124, 127

US-2: U.S. Constitution & Government: Political Science 101, 101H

US-3: California State & Local Government: Political Science 101, 101H

### Independent and Out-of-State Colleges and Universities

In addition to state-supported colleges and universities in California, there are many outstanding independent institutions in the state. There are also many colleges, both private and public, located throughout the United States to which Santiago Canyon College students can transfer. Each of these institutions has its own unique requirements for admission. In order to determine eligibility, students should visit the website of the university to view admission requirements or obtain a copy of the university catalog.

Santiago Canyon College has articulated general education requirements and major preparation courses with a number of independent institutions such as Chapman University, The University of San Diego, and the University of Southern California. 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.

California's fully accredited independent colleges and universities provide many options at the undergraduate, graduate, and professional levels for students planning to continue their education beyond the community college. For a complete listing of independent colleges and universities in California, please visit [www.aiccu.edu](http://www.aiccu.edu) or the Santiago Canyon College transfer website at [www.scccollege.edu/transfer](http://www.scccollege.edu/transfer).

### Pass Along Policy and Procedures

Pass Along permits a student to use courses taken at colleges or universities that are not part of the California Community College system to meet general education requirements on the CSU GE/Plan B or IGETC/Plan C education plan. 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. The six regional accrediting associations are:

- 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)
- 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 in fall and spring only and after the second week of school. To start the Pass Along process students must:

1. Be currently enrolled and actively attending Santiago Canyon College.
2. Complete twelve units of Santiago Canyon College coursework.
3. Submit official transcripts from all institutions attended to the SCC Admissions Office in E-101. An electronic transcript is considered official only if the electronic transcript 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 an extra set of transcripts for their personal files.
4. Make a copy of the course description for each course the student wants a pass-along review. The course description copy must be from the catalog year the student completed the course. If a course cannot be located, the student must contact the institution for the appropriate course description. For IGETC English pass along approval of Area 1A-English Composition and/or Area 1B-Critical Thinking a course syllabus of the English course must be provided. IGETC English Pass Along Petitions are reviewed by the English Department between the first through the sixth week of the fall and spring semester only.
5. 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 submitted for IGETC pass-along approval must be completed with a grade of “C” or better. No “C-” grade can be approved for pass along on IGETC. If the CSU GE area A1, A2, A3, or B4 course double-counts for GE and a major requirement, it is recommended these courses be completed with a grade of “C” or better for certification. No “D-” grade can be approved for pass along on CSU GE Breadth (Plan B).
6. 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 mail once a decision is made.

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 70 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:

1. Complete 60 semester or 90 quarter units of transferable college credit with a grade point average of at least 2.4 (2.8 for nonresidents). No more than 14-semester units (21 quarter) may be taken Pass/Not Pass, and
2. Complete the following seven-course pattern requirements and earn a grade of "C" or better in each course; or a Pass (P) grade if Pass is equivalent to a C (2.0):
  - Two transferable college courses (3 semester or 4-5 quarter units each) in English composition; and
  - One transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning; and
  - Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences.

Students who satisfy the Intersegmental General Education Transfer Curriculum (IGETC/Plan C) 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 Intersegmental General Education Transfer Curriculum (IGETC/Plan C) or individual campus general education requirements. Santiago Canyon College strongly recommends that students follow the IGETC 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 IGETC 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 IGETC. 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 IGETC. 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 C Intersegmental General Education Transfer Curriculum (IGETC) for CSU And UC**

For specific courses which meet these requirements see the Educational Plan section of the online catalog.

1. ENGLISH COMMUNICATION – 9 units (CSU)  
ENGLISH COMMUNICATION – 6 units (UC)
2. MATHEMATICAL CONCEPTS – 3 units (CSU and UC)
3. ARTS AND HUMANITIES – 9 units (CSU and UC)
4. SOCIAL AND BEHAVIORAL SCIENCE – 6 units (CSU and UC)
5. PHYSICAL AND BIOLOGICAL SCIENCES – 7-9 units (CSU and UC)
6. LANGUAGE OTHER THAN ENGLISH – 0-5 units (UC)

7. ETHNIC STUDIES – 3 units (CSU and UC)  
– New requirement for new and returning students starting SCC Fall 2023.

IGETC includes the California State University graduation requirement in US History, Constitution, and American Ideals for CSU bound students. Completion of the courses listed below meets the requirement, for further information or clarity it is recommended students meet with a counselor. U.S. HISTORY, CONSTITUTION, AMERICAN IDEALS – CSU GRADUATION REQUIREMENT ONLY  
Not a CSU transfer requirement, but may be completed prior to transfer.

### US1: Historical Development and American Institution and Ideals (one course)

Ethnic Studies 110, 120, 130, 140 (units can be used to meet Area 7: Ethnic Studies)

OR

History 118, 120\*/120H\*, 121\*/121H\*, 124, 127 (units can be used to meet Area 4: Social & Behavioral Sciences)

### US 2: U.S. Constitution and Government

AND

### US 3: California State and Local Government

### Political Science 101\*/101H\* (units can be used to meet Area 4: Social & Behavioral Sciences)

Students following the IGETC pattern (Plan C) are strongly advised to complete all requirements prior to transfer. Completion of the pattern allows the student to petition for IGETC certification. IGETC certification means the student has met all lower-division general education requirements. Students who complete Plan C are eligible to receive a Certificate of Achievement in General Education (IGETC).



## TRANSFER TO OTHER COLLEGES

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### 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 IGETC/Plan C or CSU GE/Plan B 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 Intersegmental General Education Transfer Curriculum or CSU General Education Breadth, 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 maintain a CSU GE Breadth or IGETC 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 IGETC or CSU GE Breadth if they are equivalent to courses on the Santiago Canyon College or another California community college's IGETC or CSU GE Breadth 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 certification process.
- Students should request IGETC certification from the last California Community College they attend prior to transferring to UC or CSU.
- Students requesting CSU GE Breadth certification must complete at least 12 units at Santiago Canyon College.
- IGETC - Partial Certification
- Partial certification is permitted if a student has completed all but two (2) courses on the IGETC/Plan C pattern. Specific rules apply to how and when the remaining courses must be completed after transfer. Please see a Santiago Canyon College counselor for guidelines.

**NOTE; Transcripts from all colleges attended must be submitted to the Admission Office prior to requesting certification.**



## ASSOCIATE IN ARTS FOR TRANSFER (A.A.-T) OR ASSOCIATE IN SCIENCE FOR TRANSFER (A.S.-T) DEGREE REQUIREMENTS • 2023–2024

### 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.



## GENERAL EDUCATION BREADTH REQUIREMENT COURSES FOR THE CALIFORNIA STATE UNIVERSITY (CSU) • PLAN B • 2023–2024

Students planning to graduate from one of the 23 campuses of the California State University must complete 48-semester units in general education breadth courses. Upon request, Santiago Canyon College will verify the completion (certify) of up to 39 units of lower-division general education requirements. Nine-semester units of general education units must be completed at the upper-division level after transfer. Students are strongly encouraged to meet with a Santiago Canyon College counselor when planning to transfer to a CSU campus.

**IMPORTANT NOTE:** The list of certifiable courses is subject to change year by year, but students are assured that courses taken to meet General Education-Breadth requirements will be honored if they are approved for the academic year in which they are taken. Courses on this list are approved beginning Fall 2023 and are valid through Summer 2024. \*Courses marked with an asterisk may be listed in more than one area but will not be certified in more than one area.

Areas B1, B2, B3: Underlined courses include a laboratory section.

### A. Communication in the English Language and Critical Thinking (minimum 9 units)

The 9 units selected from this area must include at least one course from A1, A2, and A3. Each course must be completed with a grade of "C" or better (C minus is not acceptable).

#### A1: Oral Communication Communication

100/100H, 101, 111\*

#### A2: Written Communication

English 100, 101/101H

#### A3: Critical Thinking

Communication 111\*

English 102\*/102H\*, 103/103H

Philosophy 110, 111

Reading 150, 151

### B. The Physical Universe and Its Life Forms (minimum 9 units)

Complete ONE course from Area B1 and ONE course from Area B2. One course MUST have a corresponding lab from Area B3.

Complete ONE Math course from Area B4 with a grade of "C" or better (C minus is not acceptable).

#### B1: Physical Sciences Astronomy

102, 103, 104 Chemistry 100, 200A, 200AH

Earth Sciences 100, 111, 120, 121, 130, 160, 200

Geography 101/101H, 130/130H

Physical Science 100

Physics 100, 150A, 150B, 250A, 250B, 250C

#### B2: Life Science

Anthropology 101

Biology 109/109H, 115, 139, 149, 190, 211, 221, 229, 231,

239, 249, 259, 290

Psychology 200

#### B3: Laboratory Activity

Anthropology 101L

Astronomy 100L (Lab Activity for ASTR 102, 103, and 104)

Biology 109L, 109HL, 115, 139, 149, 190L, 211, 221, 229,

231, 239, 259, 290

Chemistry 100, 200A, 200AH Earth Sciences 100L, 111,

121 Geography 101L

Physical Science 100

Physics 100, 150A, 150B, 250A, 250B, 250C

#### B4: Mathematics/Quantitative Reasoning

Mathematics 105, 140, 150, 170, 171, 180/180H, 203,

219/219H, 220, 287, 290, 295

Sociology 125/125H

### C. Arts, Literature, Philosophy, and Foreign Language (minimum 9 units)

This area must include one course from C1, one course from C2, and a third course from either area.

### C1: Arts (Art, Dance, Music, Theatre)

Art 100/100H, 101/101H, 102/102H

Cinema Studies 103, 104

Dance 100

English 233A\*, 233B\*

Music 101/101H, 102, 103, 104

Theatre Arts 100

### C2: Humanities

American Sign Language 110, 111, 116, 210

Chinese 101, 102

English 102\*/102H\*, 231, 232, 233A\*, 233B\*, 241, 242,

243, 246, 270, 271, 272, 278\*, 279, 280

French 101, 102, 194, 201, 202

History 101\*/101H\*, 102\*/102H\*, 115\*, 132\*, 152, 162

Italian 101, 102, 194, 195, 201, 202

Philosophy 106/106H, 108, 112, 115, 118, 120

Spanish 101/101H, 101A\*\*, & 101B\*\*, 102, 110, 111, 194,

195A, 195B, 201, 202

\*\*Both SPAN 101A and 101B must be completed to meet the C2 requirement.

### D. Social, Political, and Economic Institutions and Behavior; Historical Background (minimum 9 units)

New and returning students BEGINNING SCC Fall 2021 or later – MUST take 6-semester units from any discipline.

Students enrolled at SCC BEFORE Fall 2021 and have maintained continuous enrollment – MUST take 9-semester units from at least 2 different disciplines.

Anthropology 100/100H, 103, 104

Child Development 107\*, 110 Cinema Studies 105

Communication 120/120H, 225/225H Counseling 150, 152\*

Criminal Justice 101

Economics 101, 102

Education 101

Ethnic Studies 101\*, 110\*, 120\*, 130\*, 140\*

Gender, Sexuality, and Women's Studies 101, 102, 103

Geography 100/100H, 102/102H, 140

History 101\*/101H\*, 102\*/102H\*, 115, 118, 120/120H,

121/121H, 124, 126, 127, 132\*, 133, 142, 152\*, 162\*, 240

Interdisciplinary Studies 155\*

Kinesiology 109

Political Science 101/101H, 110, 150, 201, 220, 221,

222, 230

Psychology 100/100H, 157\*, 160\*, 170, 180, 190\*, 200,

220, 230\*, 240, 250

Sociology 100/100H, 115, 116, 120, 130\*, 150, 220,

240/240H, 286

### E. Lifelong Understanding and Self-Development (minimum 3 units)

Only one unit from E2 can be used to satisfy Area E.

E1 Lifelong Understanding

Child Development 107\*

Counseling 101, 113, 116, 152\*

Interdisciplinary Studies 155\*

Kinesiology 100, 101, 102, 104, 110, 111

Nutrition and Food 115

Psychology 157\*, 160\*, 190\*, 230\* Sociology 130\*E2:Self-

Development

Kinesiology 119-283

### F. Ethnic Studies (minimum 3 units)

New and returning students BEGINNING SCC Fall 2021 or later – MUST complete Area F.

Students enrolled at SCC BEFORE Fall 2021 and have maintained continuous enrollment\* - do not need to complete Area F. Instead, students MUST complete Area D.

\* See Catalog Rights Section

Ethnic Studies 101\*, 110\*, 120\*, 130\*, 140\*

### U.S. History, Constitution and American Ideals – (CSU Graduation Requirement)

All California State Universities have a graduation requirement in U.S. History, Constitution, and American Ideals. Although this is not a transfer requirement it is recommended students take it prior to transfer to a CSU. Courses used to meet this requirement may also be used to meet units in Areas D and FUS-1: HISTORICAL DEVELOPMENT OF AMERICAN INSTITUTION AND IDEALS

Ethnic Studies 110, 120, 130, 140

History 118, 120, 120H, 121, 121H, 124, 127

### US-2: U.S. CONSTITUTION & GOVERNMENT

Political Science 101, 101H

### US-3: CALIFORNIA STATE & LOCAL GOVERNMENT

Political Science 101, 101H

### CERTIFICATION REQUIREMENTS

- Santiago Canyon College is authorized to certify the maximum of 39 to 40 California State University general education units. Certification means SCC has verified that a student has completed the lower-division general education requirements for the CSU system.
- Requests for certification should be made at the Admissions and Records (A&R) Office, (E-101) during the semester prior to the last term of attendance. Please consult the class schedule or the Counseling Department for deadline information.
- Courses taken at other California Community Colleges will be applied to the subject areas in which they were listed by the institution where the course was completed.
- Certification of coursework from other colleges will be granted to students whose last community college of attendance prior to transfer is Santiago Canyon College.
- Courses taken at other regionally accredited institutions (which do not maintain a CSU certification list) may be approved for certification via a "Pass Along Petition." Consult with a counselor for additional information. Courses completed at foreign institutions are not acceptable for certification.
- All courses taken in Areas A and B4 must be completed with a grade of "C" or better. A grade of "P" (Pass) is acceptable if it is equivalent to a grade of "C" or higher at the institution where the work was completed. Acceptable courses from non-California community colleges may be completed with a minimum grade of "C-" in these areas.
- Pass/No Pass grades are accepted for certification in all areas; however, four-year institutions may recommend or require letter grades for specific courses in a given major and/or general education areas (A1, A2, A3, and B4). Consult with a counselor. Students seeking the Biology AS-T only need to complete the following CSU General Education Breadth requirements:
  - All courses in Areas A, B, E, and F; and
  - One course in Area C1 -Arts and one course in Area C2 Humanities; and
  - One course in Area D

**NOTE: Students enrolled at a CSU and/or CCC prior to fall 2021 may complete the old CSU-GE Breadth for STEM, if they maintained CSU and/or CCC continuous enrollment.**

- \*Courses may be listed in more than one area but will not be certified in more than one area.
- B1, B2, B3:** Courses in bold have laboratory activity.
- (F'YR) - Indicates the semester and year the course was approved in a general education area.



# INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC) FOR THE UNIVERSITY OF CALIFORNIA (UC) AND THE CALIFORNIA STATE UNIVERSITY (CSU) • PLAN C • 2023-2024

Completion and certification of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from Santiago Canyon College to a campus in either the CALIFORNIA STATE UNIVERSITY or the UNIVERSITY OF CALIFORNIA system without the need, after a transfer, to take additional lower-division, general education courses to satisfy campus general education requirements. Completion of IGETC does not guarantee admission to a UC campus. Students are strongly encouraged to meet with a Santiago Canyon College counselor when planning to transfer to a UC campus.

**IMPORTANT NOTE:** The list of certifiable courses will be subject to change year by year, but students are assured that courses taken to meet IGETC requirements will be honored if they are approved for the academic year in which they are taken. Courses on this list are approved beginning Fall 2023 and are valid through Summer 2024.

\* Courses with an asterisk indicate that transfer credit may be limited by either UC or CSU or both. Courses with an asterisk may be counted in one area only. Please consult with a counselor for additional information.  
 +Courses with a plus sign next to it indicates it is in two different GE areas, but it could only be counted for one GE area. Areas 5A, 5B, 5C: Underlined courses have laboratory activity.

## AREA 1—ENGLISH COMMUNICATION

**C.S.U.:** 3 courses required, one from each group.  
**U.C.:** 2 courses required, one each from Group A and B.

### Group A: English Composition

**1 course required, minimum 3-semester units.**  
 English 100, 101\*/101H\*

### Group B: Critical Thinking/Composition

**1 course required, minimum 3-semester units.**  
 English 102\*/102H\*, 103\*/103H\*  
 Philosophy 110\* Reading 151

### Group C: Critical Communication - Required for CSU transfer only

**1 course required, minimum 3-semester units.**  
 Communication 100\*/100H\*, 101, 110, 111

## AREA 2A—MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING

**1 course required, minimum 3-semester units.**  
 Math 105, 140\*, 150\*, 170\*, 171, 180\*/180H\*, 185, 219\*/219H\*, 220\*, 280, 287, 290, 295  
 Sociology 125\*/125H\*

## AREA 3—ARTS & HUMANITIES

3 courses required, minimum 9-semester units, with at least one course from Group A and one course from Group B. Select a third course from either area.

### Group A: Arts (minimum 3 units)

Art 100\*/100H\*, 101\*/101H\*, 102\*/102H\*  
 Cinema Studies 103, 104  
 Dance 100  
 Music 101\*/101H\*, 102, 103, 104  
 Theatre Arts 100

### Group B: Humanities (minimum 3 units)

American Sign Language 111, 116, 210  
 Chinese 102  
 English 102\*/102H\*, 231, 232, 233A, 233B, 241, 242, 243, 270, 271, 272, 278, 279, 280  
 French 102, 201, 202  
 History 101\*/101H\*, 102\*/102H\*, 115\*+, 132  
 Italian 102, 201, 202  
 Philosophy 106\*/106H\*, 108, 112, 115, 118, 120  
 Spanish 102, 111, 195A, 195B, 201, 202

## AREA 4—SOCIAL & BEHAVIORAL SCIENCES

**3 courses required, minimum 9 semester units from at least 2 disciplines or an interdisciplinary sequence.** Anthropology 100\*/100H\*, 103, 104  
 Child Development 107\* Cinema Studies 105  
 Communication 225\*/225H\* Criminal Justice 101  
 Economics 101, 102  
 Education 101  
 Ethnic Studies 101\*, 110\*, 120\*, 130\*, 140\*  
 Gender, Sexuality, and Women's Studies 101\*, 102, 103  
 Geography 100\*/100H\*, 102\*/102H\*, 140  
 History 101\*\*+/101H\*\*+, 102\*\*+/102H\*\*+, 115\*+, 118, 120\*/120H\*, 121\*/121H\*, 124, 126, 127, 133, 142, 152, 162, 240  
 Interdisciplinary Studies 155  
 Kinesiology 109  
 Political Science 101\*/101H\*, 110, 150, 201, 220, 221, 230  
 Psychology 100\*/100H\*, 157\*, 160, 170, 180, 190, 200, 220, 230, 240, 250  
 Sociology 100\*/100H\*, 115, 116, 120, 130, 150, 220, 240\*/240H\*, 286

## AREA 5—PHYSICAL & BIOLOGICAL SCIENCES

**Minimum 7-9 semester units. One Physical Science course and one Biological Science course are required. One course must include a corresponding laboratory. Lab courses are underlined.**

### Group A: Physical Science (minimum 3 units)

Astronomy 102, 103, 104  
 Chemistry 100, 200A\*/200AH\*, 200B  
 Earth Sciences 100, 111, 120, 121, 130, 160, 200  
 Geography 101\*/101H\*, 130\*/130H\* Physical Science 100  
 Physics 100, 150A\*, 150B\*, 250A\*, 250B\*, 250C\*

### Group B: Biological Science (minimum 3 units)

Anthropology 101  
 Biology 109\*/109H\*, 115, 139, 149, 190, 211, 221, 229, 231, 239, 249, 259, 290  
 Psychology 200

### Group C: Laboratory Activity (minimum 1 unit)

Anthropology 101L  
 Astronomy 100L (Lab Activity for ASTR 102, 103, 104)  
 Biology 109L/109HL, 115, 139, 149, 190L, 211, 221, 229, 231, 239, 249, 259, 290  
 Chemistry 100\*, 200A\*/200AH\*, 200B  
 Earth Sciences 100L, 111, 121\*  
 Geography 101L  
 Physical Science 100  
 Physics 100, 150A\*, 150B\*, 250A\*, 250B\*, 250C\*

## AREA 6—LANGUAGE OTHER THAN ENGLISH (LOTE) (UC ONLY)

This proficiency may be met by one of the following methods:

Satisfactory completion of two years of high school coursework in a language other than English with grades of "C-" or better\*\*; or completion of one of the following:

American Sign Language 110, 111, 210  
 Chinese 101, 102  
 French 101, 102, 201, 202  
 Italian 101, 102, 201, 202  
 Spanish 101\*/101H\*, 101B, 102, 110, 111, 201, 202;

### OR

Satisfactory completion, with "C" grades or better, of two years of formal schooling at the sixth-grade level or higher in an institution where the language of instruction is not English; **OR** 3 or higher on College Board Advanced Placement Examination, 5 or higher on International Baccalaureate Higher Level Examination; SAT II: Subject Tests (see a counselor for required scores); grade of A, B, or C on the "O" level exam; or score of 5, 6, or 7 on the "A" level exam; **OR** Satisfactory completion of an achievement test administered by a college in a language other than English equivalent to two years of high school language; or verification of student competency equivalent to two years of high school language.

## AREA 7—ETHNIC STUDIES - (New and

## returning student BEGINNING SCC Fall 2023 or later - MUST complete Area 7)

Students starting SCC BEFORE Fall 2023 and have maintained continuous enrollment\* - do not need to complete Area 7. Instead students MUST complete 9 units in Area 4.

\*See Catalog Rights Section

Ethnic Studies 101+, 110+, 120+, 130+, 140+

## U.S. HISTORY, CONSTITUTION, AMERICAN IDEALS - CSU GRADUATION REQUIREMENT ONLY

Not a CSU transfer requirement, but may be completed prior to transfer.

US1: Historical Development and American Institution and Ideals (one course)

Ethnic Studies 110, 120, 130, 140 (units can be used to meet Area 7: Ethnic Studies) **OR** History 118, 120\*/120H\*, 121\*/121H\*, 124, 127 (units can be used to meet Area 4: Social & Behavioral Sciences)

### US 2: U.S. Constitution and Government AND

**US 3: California State and Local Government**  
 Political Science 101\*/101H\* (units can be used to meet Area 4: Social & Behavioral Sciences)

UC requires the completion of a college course or courses with a grade of "C" or better OR a one-year course in high school in U.S. History or a half-year course in U.S. History and a half-year course in American Government with grades of "C" or better (UCLA requires grades of "B"). Requirements vary by UC campus. Check with a Santiago Canyon College counselor to determine which course(s) to take.

## IGETC CERTIFICATION REQUIREMENTS

- Complete all courses used for IGETC certification with a minimum grade of C (C minus is not acceptable). A "Pass" is acceptable providing it is equivalent to a grade of C or higher.
- Request certification from the last California community college you attend prior to transfer to CSU or UC. Requests should be made to the Office of Admissions and Records during the semester prior to the last term of attendance. Please consult the class schedule or the Santiago Canyon College Counseling Department for deadline information.
- Prior to requesting certification, have official transcripts on file from every high school and college you have attended.
- Courses taken at other California community colleges will be applied to the subject areas in which they are listed by the institution where the work was completed.
- A course taken at other regionally accredited institutions (which do not maintain an IGETC certification list) may be approved for certification via a "Pass Along Petition" and after a review by the Santiago Canyon College Articulation Officer. Pass Along Petitions are available from the Santiago Canyon College Counseling Department and must be accompanied by the appropriate documentation.
- Courses completed at foreign institutions are not acceptable except for certification of competence in a language other than English.
- Completing IGETC prior to transfer is strongly recommended and can be advantageous in the admissions process. Partial certification is permitted if the student has completed all but two courses on the pattern. Please see a Santiago Canyon College counselor for guidelines.
- Students completing the Associate in Science Biology for Transfer (11856) degree only need to complete the following IGETC areas to earn the degree:
  - All courses in Areas 1 (except 1C for UC-bound students), Area 2, Area 5, and Area 7; and
  - Two courses in Area 3A and Area 3B; and
  - Two courses in Area 4 from two different disciplines
 Deferred lower division GE courses must be replaced with calculus and/or science courses required by the major before transfer. Postponed GE courses are completed after transfer.

**NOTE: Students enrolled at a CSU and/or CCC prior to fall 2023 may complete the old IGETC for STEM, if they maintained CSU and/or CCC continuous enrollment.**

\* Indicates that transfer credit may be limited by either UC or CSU or both. Courses with an asterisk may be counted in one area only.  
 Please consult with a counselor for additional information.

\*\* Official High School transcript must be on file in the admissions office. **Area 5A, 5B, 5C:** underlined courses have laboratory activity.

(F YR) - Indicates the semester and year the course was approved in a general education area.



## UNIVERSITY OF CALIFORNIA AND SANTIAGO CANYON COLLEGE TRANSFER COURSE AGREEMENT 2023–2024

This agreement lists approved Santiago Canyon College courses transferable for unit credit at all UC campuses and explains UC credit provisions. Additional courses for 2023–2024 may be approved after this catalog publication date. Please see an SCC counselor for more information.

### Accounting 101, 102

### American College English 102\*, 104, 116\*

\*ACE 102, 104, 116 maximum credit, 8 units

### American Sign Language 110\*, 111, 116, 210

\* ASL 110 corresponds to two years of high school study

### Anthropology 100, 100H, 101, 101L, 103, 104

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

### Astronomy 100L, 102, 103, 104

### Biology 109#, 109H#, 109L, 109HL, 115, 139\*, 149, 190, 190L, 200, 211, 212, 214, 221, 229\*, 231, 239, 249, 259, 290

# No credit for BIOL 109 or 109H if taken after BIOL 211

\* BIOL 139 and 229 maximum credit one course

### Business 100, 105

### Chemistry 100\*, 200A, 200AH, 200B, 280A, 280B

\* No credit for CHEM 100 if taken after 200A/200AH

### Chinese 101\*, 102

\* CHNS 101 corresponds to two years of high school study.

### Child Development 107\*, 110

\* CDEV 107 and PSYC 157 maximum credit, one course.

### Cinema Studies 103, 104, 105, 107, 108

### Communication 100, 100H, 101, 110, 111, 120, 120H, 134, 135, 225, 225H

### Computer Science 100, 105, 112, 120, 121, 129, 131, 205, 213

### Counseling 101\*, 106\*, 110\*, 111\*, 113\*, 116\*

\* Counseling 101, 106, 110, 111, 113, and 116 combined: maximum credit 3 units

### Criminal Justice 101

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

### Earth Sciences 100, 100L, 111, 120\*, 121+, 130, 160, 200

\* No credit for EARTH 120 if taken after EARTH 121

+ No credit for EARTH 121 if taken after EARTH 120

### Economics 101, 102

### Education 101, 200, 210

### Engineering 210, 220, 225, 230

### English 100\*<sup>A</sup>, 101\*, 101H\*, 102, 102H, 103, 103H, 213, 220, 231, 232, 233A, 233B, 241, 242, 243, 270, 271, 272, 278, 279, 280

\* ENGL 100, ENGL 101 and ENGL 101H combined: maximum credit, 1 course

<sup>A</sup> ENGL 100 Maximum credit, 4 units

### Ethnic Studies 101, 110, 120, 130, 140

### French 101\*, 102, 196, 201, 202

\* FREN 101 corresponds to two years of high school study

### Gender, Sexuality, and Women's Studies 101, 102, 103

### Geography 100, 100H, 101, 101H, 101L, 102, 102H, 130, 130H, 140, 150, 155 (Same as SURV 155)

### History 101, 101H, 102, 102H, 115, 118, 120, 120H, 121, 121H, 124, 126, 127, 132, 133, 142, 152, 162, 240

### Information Studies 100/100H, 103

### Italian 101\*, 102, 195, 201, 202

\* ITAL 101 corresponds to two years of high school study

### Kinesiology 101, 102#, 104#, 109, 110#, 119\*, 125A\*, 125B\*, 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, 245\*, 246\*, 247,

248, 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

### Mathematics 105, 140+, 150\*, 170+, 171, 180\*, 180H\*, 185, 203, 219\*, 219H\*, 220\*, 280, 287#, 290#, 295#, SOC 125<sup>A</sup>, SOC 125H<sup>A</sup>

+ MATH 140 and 170 maximum credit, one course

\* MATH 150, 180 and 180H maximum credit, one course

# MATH 287, 290 and 295 combined: maximum credit, 8 units

<sup>A</sup> MATH 219, 219H, 220, SOC 125, SOC 125H combined: maximum credit, 1 course

### Music 101, 101H, 102, 103, 104, 121, 122, 123, 124, 126, 127, 128, 129, 161, 162, 163, 164A, 164B, 182, 185, 186, 187, 188

### Nutrition 115, 120

### Philosophy 106, 106H, 108, 110, 111, 112, 115, 118, 120

### Physical Science 100

### Physics 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 101, 101H, 110, 150, 201, 220, 221, 222, 230

### Psychology 100, 100H, 157\*, 160, 170, 180, 190, 200, 220, 230, 240+, 250

\* PSYC 157 and CDEV 107 maximum credit, one course

+ PSYC 240 and SOC 240 maximum credit, one course

### Reading 151

### Sociology 100, 100H, 115, 116/116H, 120, 125<sup>A</sup>, 125H<sup>A</sup>, 130, 150, 220, 240+, 240H, 286

+ SOC 240 and PSYC 240 maximum credit, one course

<sup>A</sup> MATH 219, 219H, 220, SOC 125, SOC 125H combined: maximum credit, 1 course

### Spanish 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 118\*, 119\*, 155 (Same as GEOG 155)

\* SURV 118 and 119 maximum credit, one course

### Theatre Arts 100, 110, 111, 118, 121, 122, 180A, 180B, 181A, 181B, 182A, 182B, 183A, 183B, 186A, 186B, 186C

### Water Utility Science 107

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

Advance Placement Examinations with a score of 3, 4, or 5 can be used to meet Santiago Canyon College Associate degree requirements, CSU admission, CSU GE certification, UC admission, and IGETC certification requirements. However AP credits cannot be used to meet Santiago Canyon College 12 unit residency requirement for the Associate degree. **Students who have earned credit from an AP exam should not take a comparable college course since credit will not be granted for both.** Students using an AP exam for a requirement other than general education, such as major preparation, are strongly advised to check with a Santiago Canyon College counselor and/or the Admissions Office of their transfer campus to determine how the AP exam will be used to meet major and graduation requirements as policies may differ from SCC's. **Students should submit official copies of Advance Placement Examination test scores to the Admissions and Record office for evaluation.**

Advanced Placement Exam	SCC Course SCC Plan A GE Units Awarded	CSU GE-Plan B Certification Area Semester Units CSU NOTE 1	CSU Minimum Units Earned Toward Transfer CSU NOTE 2	IGETC/Plan C Certification Area Semester Units UC NOTE 1	UC Minimum Units Earned Towards Transfer UC NOTE 2
Art History	ART 101 and 102 Area C 6 units	Area C1 or C2 3 units	6 units	Area 3A or 3B <sup>5</sup> 3 units	5.3 units
Art Studio: 2-D Design	ART 110 No GE 3 units	Not Applicable	3 units	Not Applicable	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	Not Applicable	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	Not Applicable	5.3 units (5.3 units maximum credit for all three Studio Art exams)
Biology	BIOL 109 and 109L or BIOL 190 and BIOL 190L Area A 4 units	Area B2 and B3 4 units	6 units	Area 5B and 5C 4 units	5.3 units
Calculus AB	MATH 180 Area E2 and G1 4 units	Area B4 3 units	3 units (only one Calculus exam applied to CSU degree)	Area 2 3 units	2.6 units (5.3 units maximum credit for Calculus AB + BC exams)
Calculus BC	MATH 180 and 185 Area E2 and G1 8 units	Area B4 3 units	6 units (only one Calculus exam applied to CSU degree)	Area 2 3 units	5.3 units (5.3 units maximum credit for Calculus AB + BC exams)
Calculus BC/AB Subscore <sup>9</sup>	No Course Area E2 and G1 3 units	Area B4 3 units	3 units (only one Calculus exam applied to CSU degree)	Area 2A3 units	2.6 units (2.6 units maximum credit for Calculus AB + AB Subscore exams)
Chemistry	CHEM 200A Area A 5 units	Area B1 and B3 4 units (6 units prior to F'09)	6 units	Area 5A and 5C 4 units	5.3 units
Chinese Language and Culture	Plan A Area C3 units	Area C23 units	6 units	Area 3B and 6A3 units	5.3 units
Computer Science A	CMPR 121 N/A 3 units	N/A	3 units (only one CS exam applied to CSU degree)	N/A	5.3 units (beginning May 2018)
Computer Science AB (discontinued after May 2009)	CMPR 121 N/A 3 units	N/A	6 units (only one CS exam applied to CSU degree)	N/A	2.6 units (2.6 units maximum credit for both CS exams)
Computer Science Principles (Beginning May 2017)	No Equivalent Course N/A 3 units	Area B4 3 units	6 units	N/A	5.3 units
Economics: Macroeconomics	ECON 102 Area B2 3 units	Area D 3 units	3 units	Area 4 3 units	2.6 units
Economics: Microeconomics	ECON 101 Area B2 3 units	Area D 3 units	3 units	Area 4 3 units	2.6 units
English: Language and Composition	ENGL 101 Area E1 4 units	Area A23 units	6 units	Area 1A 3 units	5.3 units (5.3 units maximum credit for both English exams)



## SANTIAGO CANYON COLLEGE ADVANCED PLACEMENT GUIDE AND POLICIES (continued)

Advanced Placement Exam	SCC Course SCC Plan A GE Units Awarded	CSU GE-Plan B Certification Area Semester Units CSU NOTE 1	CSU Minimum Units Earned Toward Transfer CSU NOTE 2	IGETC/Plan C Certification Area Semester Units UC NOTE 1	UC Minimum Units Earned Towards Transfer UC NOTE 2
English: Literature and Composition	ENGL 101 Area E1 or C 4 units	Area A2 <b>and</b> C2 6 units	6 units	Area 1A <b>or</b> 3B <sup>5</sup> 3 units	5.3 units(5.3 units maximum credit for both English exams)
Environmental Science	BIOL 200 Area A 3 units	Area B1 <b>and</b> B3 4 units (B2+B3 or B1+B3 prior to F'09)	4 units	Area 5A <b>and</b> 5C 3 units <sup>6</sup>	2.6 units
French Language and Culture (Prior to F'11- French Language)	FREN 101 <b>and</b> 102 Area C 10 units	Area C2 3 units (6 units prior to F'09)	6 units	Area 3B <b>and</b> 6A 3 units	5.3 units
French Literature	Plan A Area C3 units	Area C2 (if passed prior to F'09) 3 units	6 units	Area 3B <b>and</b> 6A 3 units	5.3 units
German Language and Culture (Prior to F'11- German Language)	Plan A Area C 3 units	Area C2 3 units(6 units prior to F'09)	6 units	Area 3B <b>and</b> 6A3 units	5.3 units
Geography (Human)	GEOG 102 Area B2 or D 3 units	Area D 3 units	3 units	Area 4 3 units	2.6 units
Government and Politics: Comparative	POLT 201 Area B2 3 units	Area D3 units	3 units	Area 4 3 units	2.6 units
+Government and Politics: United States	POLT 101 Area B1 or B2 3 units	Area D <b>and</b> US-2 CSU AI Requirement <sup>7</sup> 3 units	3 units	Area 4 <b>and</b> US-2 CSU AI Requirement <sup>7</sup> 3 units	2.6 units
History: European	HIST 102 Area B2 or C 3 units	Area C2 <b>or</b> D3 units	6 units	Area 3B <b>or</b> 4 <sup>5</sup> 3 units	5.3 units
+History: US	HIST 120 <b>and</b> 121 Area B1 or C 6 units	Area C2 <b>or</b> D <b>and</b> US-1 CSU AI Requirement <sup>7</sup> 3 units	6 units	Area 3B <b>or</b> 4 <sup>5</sup> <b>and</b> US-1 CSU AI Requirement <sup>7</sup> 3 units	5.3 units
History:World	HIST 101 <b>and</b> 102 Area B1 or C 6 units	Area C2 <b>or</b> D 3 units	6 units	Area 3B <b>or</b> 4 <sup>5</sup> 3 units	5.3 units
Italian Language and Culture	ITAL 101 <b>and</b> 102 Area C 10 units	Area C2 3 units	6 units	Area 3B <b>and</b> 6A 3 units	5.3 units
Japanese Languageand Culture	Plan A Area C 3 units	Area C2 3 units	6 units	Area 3B <b>and</b> 6A3 units	5.3 units
Latin: Literature	Plan A Area C 3 units	Area C2 (if passed prior to F'09) 3 units	6 units	Area 3B <b>and</b> 6A 3 units	2.6 units
Latin	Plan A Area C 3 units	Area C2 3 units	6 units	Area 3B <b>and</b> 6A 3 units (From May '13 and beyond)	5.3 units
Latin:Vergil	Plan A Area C 3 units	Area C2 (if passed prior to F'12) 3 units	3 units	Area 3B <b>and</b> 6A 3 units	2.6 units
Music Theory	N/A	Area C1 (if passed prior to F'09) 3 units	6 units	N/A	5.3 units
Physics 1 <sup>8,10</sup>	Plan A Area A 4 units	Area B1 <b>and</b> B3 4 units <sup>8</sup>	4 units	Area 5A and 5C 4 units	5.3 units (5.3 units maximum credit for all Physics exams)
Physics 2 <sup>8,10</sup>	Plan A Area A 4 units	Area B1 <b>and</b> B3 4 units <sup>8</sup>	4 units	Area 5A and 5C 4 units	5.3 units (5.3 units maximum credit for all Physics exams)
Physics B <sup>8,10</sup> (exam available prior to F'15)	PHYS 150A <b>and</b> 150B Area A 8 units	Area B1 <b>and</b> B3 4 units <sup>9</sup> (6 units prior F'09)	6 units (maximum 6 units for all 3 exams)	Area 5A and 5C <sup>10</sup> 4 units	5.3 units (5.3 units maximum credit for all Physics exams)





**SANTIAGO CANYON COLLEGE ADVANCED PLACEMENT GUIDE AND POLICIES**  
(continued)

Advanced Placement Exam	SCC Course SCC Plan A GE Units Awarded	CSU GE-Plan B Certification Area Semester Units CSU NOTE 1	CSU Minimum Units Earned Toward Transfer CSU NOTE 2	IGETC/Plan C Certification Area Semester Units UC NOTE 1	UC Minimum Units Earned Towards Transfer UC NOTE 2
Physics C (Electricity and Magnetism) <sup>8</sup>	PHYS 250B Area A 5 units	Area B1 <b>and</b> B3 4 units <sup>8</sup>	4 units (maximum 6 units for all 3 exams)	Area 5A and 5C 3 units <sup>6</sup>	2.6 units (5.3 units maximum credit for all Physics exams)
Physics C (Mechanics) <sup>8</sup>	PHYS 250A Area A 5 units	Area B1 <b>and</b> B3 4 units <sup>8</sup>	4 units (maximum 6 units for all 3 exams)	Area 5A and 5C 3 units <sup>6</sup>	2.6 units (5.3 units maximum credit for all Physics exams)
Psychology	PSYC 100 Area B2 3 units	Area D9 3 units	3 units	Area 4 3 units	2.6 units
Seminar	N/A	N/A	3 units	N/A	N/A
Spanish Language and Culture (Prior to S'14 Spanish Language)	SPAN 101 <b>and</b> 102 Area C 10 units	Area C2 3 units (6 units prior to S'14)	6 units	Area 3B <b>and</b> 6A 3 units	5.3 units
Spanish Literature and Culture (Prior to S'13 Spanish Literature)	Plan A Area C3 units	Area C23 units (6 units prior to S'13)	6 units	Area 3B <b>and</b> 6A 3 units	5.3 units
Statistics	MATH 219 Area E2 and G1 4 units	Area B4 3 units	3 units	Area 2A 3 units	2.6 units

- The AP exams listed above may be incorporated into certification of CSU General Education-breadth requirements. All CSU campuses will accept the minimum units shown if the examination is included in full or subject area certification; individual CSU campuses may choose to accept more units than those specified towards completion of general education breadth requirements.
- The CSU Minimum Semester Admission unit column reflects what each campus system-wide will minimally accept towards CSU admission. Each AP exam may be applied to one IGETC area, as satisfying one course requirement, with the exception of area 6A – Language Other Than English (LOTE). Exams maybe used regardless of when the exam was taken. The final column reflects what the University of California will award per AP exam for admission to any UC campus. AP exams may be used in either area regardless of where the SCC discipline is located.
- For Environmental Science, Physics C: Mechanics and Physics C: Electricity/Magnetism, 3 semester or 4 quarter units are applied 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 IGETC certification. This AP examination only partially fulfills 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.
- 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 CSU GE certification.
- Students who take the Calculus BC exam and earn a subscore of 3 or higher on the Calculus AB portion will receive credit for the Calculus AB exam, even if the student did not receive a score of 3 or higher on the Calculus BC examination.
- Physics B replaced by Physics 1 and Physics 2 exam, 2015.



## SANTIAGO CANYON COLLEGE COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) PLACEMENT GUIDE AND POLICIES

Santiago Canyon College students who have taken CLEP examinations and have a score of 50 or higher (level II languages require a higher score) can earn credits towards Santiago Canyon College Associate degree general education requirements or electives, CSU admission, and CSU GE certification requirements. However CLEP credits cannot be used to meet Santiago Canyon College twelve-unit residency requirement for the Associate degree. **Students who have earned credits from a CLEP exam should not take a comparable college course since credit will not be granted for both.** Students are strongly advised to check with an SCC counselor when using CLEP credit for CSU admission or for major requirements. The CSU has grandfathered in this policy the guide CLEP submissions for any year that the CLEP exams were taken. **Students should submit official copies of CLEP test scores to the Admissions and Record office for evaluation. The University of California does not accept CLEP exams to meet requirements for IGETC.**

CLEP EXAM	Passing Score	SCC GE Area Semester Units Awarded	SCC AA Semester Units Awarded	CSU GE Certification Area/Semester Units Awarded <sup>1</sup>	CSU Minimum Admission Semester Units Awarded <sup>2</sup>
American Government	50	Area B1 or B2 3 units	3 units	Area D8 3 units	3 units
American Literature	50	Area C 3 units	3 units	Area C2 3 units	3 units
Analyzing and Interpreting Literature	50	Area C 3 units	3 units	Area C2 3 units	3 units
Biology	50	Area A 3 units	3 units	Area B2 3 units	3 units
Calculus	50	Area E2 and G1 <sup>3</sup> 3 units	3 units	Area B4 3 units	3 units
Chemistry	50	Area A 3 units	3 units	Area B1 3 units	3 units
College Algebra	50	Area E2 and G1 <sup>3</sup> 3 units	3 units	Area B4 3 units	3 units
College Algebra-Trigonometry	50	Area E2 and G1 <sup>3</sup> 3 units	3 units	Area B4 3 units	3 units
English Literature	50	Area C 3 units	3 units	Area C2 3 units	3 units
Financial Accounting	50	N/A 0 units	3 units	N/A 0 units	3 units
French Level I	50	N/A 0 units	6 units <sup>4</sup>	N/A <sup>4</sup> 0 units	6 units
French Level II	59	Area C 3 units	9 units <sup>4</sup>	Area C2 <sup>4</sup> 3 units	9 units (12 units prior to F'15)
German Level I	50	N/A 0 units	6 units <sup>4</sup>	N/A <sup>4</sup> 0 units	6 units
German Level II	60	N/A 0 units	9 units <sup>4</sup>	Area C2 <sup>4</sup> 3 units	9 units (12 units prior to F'15)
History, United States I (Partially fulfills CSU AI requirement)	50	Area B1 3 units	3 units	Area D6 + US-1 <sup>5</sup> 3 units	3 units
History, United States II (Partially fulfills CSU AI requirement)	50	Area B1 3 units	3 units	Area D6 + US-1 <sup>5</sup> 3 units	3 units
Human Growth & Development	50	Area B2 3 units	3 units	Area E 3 units	3 units
Humanities	50	Area C 3 units	3 units	Area C2 3 units	3 units
Information Systems and Computer Applications	50	N/A 0 units	3 units	N/A 0 units	3 units
Introduction to Educational Psychology	50	N/A 0 units	3 units	N/A 0 units	3 units



## SANTIAGO CANYON COLLEGE COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) PLACEMENT GUIDE AND POLICIES (continued)

CLEP EXAM	Passing Score	SCC GE Area Semester Units Awarded	SCC AA Semester Units Awarded	CSU GE Certification Area/Semester Units Awarded <sup>1</sup>	CSU Minimum Admission Semester Units Awarded <sup>2</sup>
Introductory Business Law	50	N/A 0 units	3 units	N/A 0 units	3 units
Introductory Psychology	50	Area B2 3 units	3 units	Area D9 3 units	3 units
Introductory Sociology	50	Area B2 3 units	3 units	Area D10 3 units	3 units
Natural Sciences	50	Area A 3 units	3 units	Area B1 or B2 3 units	3 units
Pre-Calculus	50	E2 and G1 <sup>3</sup> 3 units	3 units	Area B4 3 units	3 units
Principles of Accounting	50	N/A 0 units	3 units	N/A 0 units	3 units
Principles of Macroeconomics	50	Area B2 3 units	3 units	Area D2 3 units	3 units
Principles of Management	50	N/A 0 units	3 units	N/A 0 units	3 units
Principles of Marketing	50	N/A 0 units	3 units	N/A 0 units	3 units
Principles of Microeconomics	50	Area B2 3 units	3 units	Area D2 3 units	3 units
Social Sciences and History	50	N/A 0 units	0 units	N/A 0 units	0 units
Spanish Level I	50	N/A 0 units	6 units <sup>4</sup>	N/A <sup>4</sup> 0 units	6 units
Spanish Level II	63	Area C 3 units	9 units <sup>4</sup>	Area C2 <sup>4</sup> 3 units	9 units (12 units prior to F'15)
Trigonometry (Prior to FA' 06)	50	Area E2 + G1 <sup>3</sup> 3 units	3 units	Area B4 3 units	3 units
Western Civilization I	50	Area B2 3 units	3 units	Area C2 or D6 3 units	3 units
Western Civilization II	50	Area B2 3 units	3 units	Area D6 3 units	3 units

- The CLEP exams listed above may be incorporated into certification of CSU General Education-Breadth requirements. All CSU campuses will accept the minimum units shown if the examination is included in full or subject area certification; individual CSU campuses may choose to accept more units than those specified towards completion of general education requirements. The CSU Minimum Semester Admission unit column reflects what each campus system-wide will minimally accept toward CSU admission. The CLEP exam satisfies Santiago Canyon College Mathematics Proficiency requirement for Plan A-area G1.
- 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 elective credit; higher scores earn more units of placement in Area C for the Associate degree or Area C2 for the CSU GE breadth requirement. This CLEP exam partially fulfills the CSU American Institutions graduation requirement but can be used toward the US-I requirement.



## SANTIAGO CANYON COLLEGE INTERNATIONAL BACCALAUREATE (IB) EXAMINATION GUIDE AND POLICIES

Santiago Canyon College students who have taken IB examinations and have a score of 5 or higher (CSU accepts a score of 4 on some exams) can earn credits towards Santiago Canyon College Associate degree general education requirements, CSU admission, CSU GE certification, UC admission, and IGETC certification requirements. However IB credits cannot be used to meet Santiago Canyon College twelve-unit residency requirement for the Associate degree. **Students who have earned credits from a IB exam should not take a comparable college course since credit will not be granted for both.** Students are strongly advised to check with an SCC counselor when using IB credit for CSU/UC admission or for major requirements. **Students should submit official copies of IB test scores to the Admissions and Record office for evaluation.**

INTERNATIONAL BACCALAUREATE (IB) EXAM <sup>9</sup>	SCC GE Area Semester Units Awarded	SCC Minimum AA/AS Semester Units Awarded	CSU GE Certification Area/Semester Units Awarded <sup>1</sup>	CSU Minimum Admission Semester Units Awarded <sup>2</sup>	IGETC Certification Area/Semester Units Awarded <sup>3</sup>	IGETC Minimum Admission Semester Units Awarded <sup>4</sup>
IB Biology HL	Area A 3 units	3 units	Area B2 (without lab) 3 units	6 units	Area 5B (without lab) 3 units	5.3 units
IB Chemistry HL	Area A 3 units	3 units	Area B1 (without lab) 3 units	6 units	Area 5A (without lab) 3 units	5.3 units
IB Economics HL	Area B2 3 units	3 units	Area D2 3 units	6 units	Area 4 3 units	5.3 units
IB Geography HL	Area B2 3 units	3 units	Area D5 3 units	6 units	Area 4 3 units	5.3 units
IB History (any Region) HL	Area B1 or B2 <sup>5</sup> 3 units	3 units	Area C2 or D6 <sup>5</sup> 3 units	6 units	Area 3B or 4 <sup>5</sup> 3 units	5.3 units
IB Language A Literature HL <sup>7</sup>	Area C 3 units	3 units	Area C2 3 units <sup>6</sup>	6 units <sup>6</sup>	Area 3B 3 units	5.3 units
IB Language A Literature HL <sup>7</sup>	Area C 3 units	3 units	Area C2 3 units <sup>6</sup>	6 units <sup>6</sup>	Area 3B and 6A (any language, except English) 3 units	5.3 units
IB Language A Language and Literature HL	Area C 3 units	3 units	Area C2 3 units	6 units <sup>6</sup>	Area 3B 3 units	5.3 units
IB Language A Language and Literature HL <sup>7</sup>	Area C 3 units	3 units	Area C2 3 units	6 units <sup>6</sup>	Area 3B and 6A (any language, except English) 3 units	5.3 units
IB Language B (any language) HL <sup>7</sup>	Area C 3 units	3 units	N/A 0 units	6 units	Area 6A 3 units	5.3 units
IB Mathematics HL	Area E2 + G1 <sup>8</sup> 3 units	3 units	Area B4 3 units <sup>6</sup>	6 units <sup>6</sup>	Area 2A 3 units	5.3 units
IB Psychology HL	Area B2 3 units	3 units	Area D9 3 units	3 units	Area 4 3 units	5.3 units
IB Theatre HL	Area C 3 units	3 units	Area C1 3 units <sup>6</sup>	6 units <sup>6</sup>	Area 3A 3 units	5.3 units

- The IB exams listed above may be incorporated into certification of CSU General Education-Breadth requirements. All CSU campuses will accept the minimum units shown if the examination is included in full or subject area certification; individual CSU campuses may choose to accept more units than those specified towards completion of general education requirements.
- 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, for further information consult each CSU catalog.
- The column lists how each IB exam may be applied to one IGETC area, as satisfying one course requirement, with the exception of area 6A – Language Other Than English (LOTE). Exams may be used regardless of when the exam was taken.
- This column reflects the University of California system-wide minimum units awarded per IB exam for UC admissions eligibility. IB Exams may be used in either area regardless of where the SCC discipline is located.
- CSU accepts a score of 4 or higher for each of these exams.
- 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.
- Exam satisfies Santiago Canyon College Mathematics Proficiency requirement of Plan A area G1.
- The IB organization awards either a diploma or a certificate for individual IB exams. Students who complete the IB diploma with a score of 30 or above will receive 30 quarter units (20 semester units) towards a UC baccalaureate degree.



## 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](http://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.

**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 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.*



## 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 accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to [www.assist.org](http://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 ASSIST database at [www.assist.org](http://www.assist.org) 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
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	ARTH 100	ART 100,	Introduction to Art Concepts
ARTH 110	ART 100H, Honors Introduction to Art Concepts		
ARTH 110	ART 101, Survey of Western Art History I: Prehistory Through the Middle Ages		
ARTH 110	ART 101H, Honors Survey of Western Art History I: Prehistory Through the Middle Ages		
ARTH 120	ART 102, Survey of Western Art History II: Renaissance Through the Twentieth Century		
ARTH 120	ART 102H, Honor Survey of Western Art History II: Renaissance Through the Twentieth Century		
ARTS 100	ART 110, Two-Dimensional Design		
ARTS 101	ART 111, Three-Dimensional Design		
ARTS 110	ART 130 Introduction to Drawing		
ARTS 200	ART 131, Beginning Life Drawing		
ARTS 205	ART 230, Intermediate Drawing		
ARTS 210	ART 141, Beginning Painting		
ARTS 250	ART 195, Introduction to Digital Media Arts		
BIOL 110B	BIOL 239, General Human Anatomy		
BIOL 120B	BIOL 249, Human Physiology		

### Course

#### Identification

#### Number SCC Course

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	CDEV 107, Child Growth and Development (DS1)		
CDEV 100	PSYC 157, Introduction to Child Psychology		
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 110, Public Communication		
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 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		
ECE 120	CDEV 111A, Principles and Practices of Teaching Young		
ECE 130	CDEV 111B, Introduction to Curriculum for Young		
ECE 200	CDEV 108, Observation and Assessment for Early Learning and Development (DS3)		
ECE 210	CDEV 298A, Practicum in Early Childhood Programs		
ECE 220	CDEV 112, Health, Safety and Nutrition for Children		
ECE 230	CDEV 221, Teaching in a Diverse Society		



## COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

<b>Course Identification Number</b>	<b>SCC Course</b>	<b>Course Identification Number</b>	<b>SCC Course</b>
ECON 201	ECON 101, Principles / Micro	HIST 140	HIST 121H, Honors The United States Since 1865
ECON 202	ECON 102, Principles / Macro	HIST 150	HIST 101, World Civilization to the 16th Century
EDUC 200	EDUC 200, Introduction to Elementary Classroom Teaching	HIST 150	HIST 101H, Honors World Civilization to the 16th Century
ENGL 100	ENGL 100, Freshman Composition with Integrated Support	HIST 160	HIST 102, World Civilizations Since the 16th Century
ENGL 100	ENGL 101, Freshman Composition	HIST 160	HIST 102H, Honors World Civilizations Since the 16th Century
ENGL 100	ENGL 101H, Honors Freshman Composition	JOUR 100	CINE 105, Mass Media and Society
ENGL 105	ENGL 103, Critical Thinking and Writing	KIN 100	KIN 100, Introduction to Kinesiology
ENGL 105	ENGL 103H, Honors Critical Thinking and Writing	KIN 101	KIN 101, First Aid and CPR
ENGL 110	ENGL 102, Literature and Composition	MATH 110	MATH 219, Statistics
ENGL 110	ENGL 102H, Honors Literature and Composition	MATH 110	MATH 219H, Honors Statistics
ENGL 120	ENGL 102, Literature and Composition	MATH 110	MATH 220, Statistics and Probability with Integrated Review
ENGL 120	ENGL 102H, Honors Literature and Composition	MATH 120	MATH 203, Fundamental Concepts of Elementary Mathematics
ENGL 130	ENGL 241, Survey of American Literature, 1600-1865	MATH 140	MATH 150, Calculus for Biological, Management and Social Sciences
ENGL 135	ENGL 242, Survey of American Literature, 1865-Present	MATH 210	MATH 180, Single Variable Calculus I
ENGL 140	ENGL 271, Survey of World Literature I	MATH 210	MATH 180H, Honors Single Variable Calculus I
ENGL 145	ENGL 272, Survey of World Literature II	MATH 220	MATH 185, Single Variable Calculus II
ENGL 160	ENGL 231, Survey of English Literature I	MATH 230	MATH 280, Intermediate Calculus
ENGL 165	ENGL 232, Survey of English Literature II	MATH 240	MATH 295, Differential Equations
ENGL 180	ENGL 270, Children's Literature	MATH 250	MATH 290, Linear Algebra
ENGL 200	ENGL 213, Creative Writing	MATH 900S	MATH 180 + MATH 185, Single Variable Calculus I and Single Variable Calculus II
ENGR 130	ENGR 220, Statics	MATH 900S	MATH 180H + MATH 185, Honors Single Variable Calculus I and Single Variable Calculus II
ENGR 230	ENGR 225, Dynamics	MATH 910S	MATH 287, Introduction to Linear Algebra and Differential Equations
ENGR 260	ENGR 230, Network Analysis	MATH 910S	MATH 290 + MATH 295, Linear Algebra + Differential Equations
ENGR 260L	ENGR 230, Network Analysis	MUS 100	MUS 101, Music Appreciation
GEOG 110	GEOG 101, Physical Geography	MUS 100	MUS 101H, Honors Music Appreciation
GEOG 111	GEOG 101L, Physical Geography Laboratory	PHIL 100	PHIL 106, Introduction to Philosophy
GEOG 120	GEOG 102, Cultural Geography	PHIL 100	PHIL 106H, Honors Introduction to Philosophy
GEOG 120	GEOG 102H, Honors Cultural Geography	PHIL 110	PHIL 111, Introductory Logic
GEOG 125	GEOG 100, World Regional Geography	PHIL 120	PHIL 108, Ethics
GEOG 125	GEOG 100H, Honors World Regional Geography	PHYS 100S	PHYS 150A + PHYS 150B, Introductory Physics I + Introductory Physics II
GEOG 130	GEOG 130, Introduction to Weather and Climate	PHYS 105	PHYS 150A, Introductory Physics I
GEOG 130	GEOG 130H, Honors Introduction to Weather and Climate	PHYS 110	PHYS 150B, Introductory Physics II
GEOG 140	GEOG 140, California Geography	PHYS 140	PSC 100, Survey of Chemistry and Physics
GEOG 150	GEOG 150, Map Interpretation and Analysis	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
GEOG 155	GEOG 155, Introduction to Geographic Information Systems	PHYS 205	PHYS 250A, Physics for Scientists and Engineers I
GEOG 155	SURV 155, Introduction to Geographic Systems	PHYS 210	PHYS 250B, Physics for Scientists and Engineers II
GEOG 160	GEOG 160, Regional Field Studies	PHYS 215	PHYS 250C, Physics for Scientists and Engineers III
GEOL 100	ERTH 100, Physical Geology	POLS 110	POLT 101, Introduction to American Government
GEOL 100L	ERTH 100L, Physical Geology Laboratory	POLS 110	POLT 101H, Honors Introduction to American Government
GEOL 111	ERTH 111, Historical Geology	POLS 120	POLT 230, Political Theory
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		



## COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)

POLS 130	POLT 201, Introduction to Comparative Politics	THTR 192	THEA 186B, Intermediate Technical Theatre Production
POLS 140	POLT 220, International Politics	THTR 192	THEA 186C, Advanced Technical Theatre Production
POLS 150	POLT 110, Introduction to Political Science	WWTR 100 X	WATR 050, Water Mathematics and Hydraulics
PSY 110	PSYC 100, Introduction to Psychology	WWTR 110 X	WATR 081, Wastewater Treatment
PSY 110	PSYC 100H, Honors Introduction to Psychology	WWTR 120 X	WATR 082, Advanced Wastewater Treatment
PSY 120	PSYC 250, Introduction to Abnormal Psychology	WWTR 130X	WATR 061, Water Distribution
PSYC 130	PSYC 190, Psychology of Human Sexuality	WWTR 140 X	WATR 062, Advanced Water Distribution
PSY 150	PSYC 200, Introduction to Biological Psychology	WWTR 160 X	WATR 072, Advanced Water Treatment
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		
SPAN 100	SPAN 101, Elementary Spanish I		
SPAN 100	SPAN 101H, Honors Elementary Spanish I		
SPAN 100	SPAN 101A, Elementary Spanish IA + SPAN 101B, Elementary Spanish IB		
SPAN 110	SPAN 102, Elementary Spanish II		
SPAN 200	SPAN 201, Intermediate Spanish I		
SPAN 210	SPAN 202, Intermediate Spanish II		
SPAN 220	SPAN 110, Spanish for Spanish Speakers I		
SPAN 230	SPAN 111, Spanish for Spanish Speakers 2		
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		





## FORMER COURSE TITLES

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- Adult Basic Education 009, Academic Skills  
(formerly Adult Basic Education 009, Adult Basic Education)
- Apprenticeship Carpentry 034B, Solid and Stone Surfaces  
(formerly Apprenticeship Carpentry 034B, Solid Surface and Stone Countertops)
- Astronomy 100L, Astronomy Laboratory  
(formerly Astronomy 140, Astronomy Laboratory)
- Astronomy 102, Introduction to Stars and Galaxies  
(formerly formerly Astronomy 110, Introduction to Stars and Galaxies)
- Astronomy 103, Introduction to the Solar System  
(formerly Astronomy 109, Introduction to the Solar System)
- Biology 191, Biotech A: Basic Lab Skills  
(formerly Biology 191, Biotechnology A: Basic Lab Skills)
- Biology 192, Biotech B: Proteins  
(formerly Biology 192, Biotechnology B: Proteins)
- Biology 193, Biotech C: Nucleic Acids  
(formerly Biotechnology C: Nucleic Acids)
- Child Development 206, Curriculum and Intervention Strategies for Children with Special Needs  
(formerly Child Development 206, Curriculum and Strategies for Children with Special Needs)
- Cinema Studies 103, History of Film to 1945  
(formerly TV/Video Communications 103, History of Film to 1945)
- Cinema Studies 104, History of Film From 1945 to Present  
(formerly TV/Video Communications 104, History of Film From 1945 to Present)
- Cinema Studies 105, Mass Media and Society  
(formerly TV/Video Communications 105, Mass Media and Society)
- Cinema Studies 122, Screenwriting for Digital Media  
(formerly TV/Video Communications 122, Screenwriting for Digital Media)
- Cinema Studies 124, Introduction to Digital Media Production  
(formerly TV/Video Communications 124, Introduction to Digital Media Production)
- Communication 135, Readers' Theatre  
(formerly Communication 135, Reader's Theatre)
- Computer Science 157, Introduction to Robotics  
(formerly Computer Science 157, Introduction to Robotics Programming)
- Dance 106A, Modern Dance Fundamentals  
(formerly Dance 106A, Introduction to Modern Dance)
- Dance 106B, Intermediate Modern Dance  
(formerly Dance 106B, Introduction to Modern Dance)
- Dance 108A, Ballet Fundamentals  
(formerly Dance 108A, Introduction to Ballet)
- Dance 108B, Intermediate Ballet  
(formerly Dance 108B, Introduction to Ballet))
- Dance 115A, Tap Dance Fundamentals  
(formerly Dance 115A, Introduction to Tap Dance)
- Dance 115B, Intermediate Tap Dance  
(formerly Dance 115B, Introduction to Tap Dance)
- Dance 119A, Jazz Dance Fundamentals  
(formerly Dance 119A, Introduction to Jazz Dance)
- Dance 119B, Intermediate Jazz Dance  
(formerly Dance 119B, Introduction to Jazz Dance)
- Gender, Sexuality and Women's Studies 101, Introduction to Women's Studies  
(formerly Women's Studies 101, Introduction to Women's Studies)
- Gender, Sexuality and Women's Studies 102, Money, Sex, and Power  
(formerly Women's Studies 102, Women in America: Work, Family, Self)
- Geography 150, Exploring Maps and Geographic Technologies  
(formerly Geography 150, Map Interpretation and Analysis)
- Political Science 101, American Government and Politics  
(formerly Political Science 101, Introduction to American Government)
- Political Science 101H, Honors American Government and Politics  
(formerly Political Science 101H, Honors Introduction to American Government)
- Psychology 220, Introduction to Research Methods in Psychology  
(formerly Psychology 219, Introduction to Research Methods in Psychology)
- Workforce Preparation 601, Money Matters  
(formerly Adult Basic Education 010, Money Matters: Financial Literacy)
- Workforce Preparation 500, Workforce Readiness  
(formerly Vocational Business 012, Workforce Readiness)



## 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. In addition, there are other 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](http://sccollege.edu/oec) or call the Orange Education Center at 714-628-5900.

### 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 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.

### Testing

A wide variety of academic, aptitude, vocational, interest, and other assessments are provided to assist the adult in educational and career planning. Diagnostic assessment tests are administered to advise placement for courses in English as a Second Language, Adult Basic Education, and High School Subjects.

### Textbooks and Supplies

ESL textbooks are available for purchase (cash or check, no credit cards) at the OEC Provisional Education Facility Bookstore. A complete list of ESL textbooks required for each class, along with their costs, is posted. Supplementary books and supplies are also available. Phone 714-628-5924 for additional information. Students in classes held at Santiago Canyon College (SCC) 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](http://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

Students Policy The 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.

### Career Services

Career information, materials, interest inventories, and counseling are provided for interested students. Appointments may be made by calling 714-628-5942.

### 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 714-628-5947.

### 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
<b>TOTAL</b>	<b>160.0</b>

#### Limitations on Enrollment

A student who has received a passing grade (A, B, C, D) for a high school course may not re-enroll in the same course. A student who has graduated from the Adult High School Diploma Program may not enroll in Adult Basic Education (ABE) or high school courses without written permission from an administrator.

#### Residency

Residency Requirement: At least 20 of the 160 required high school credits must be completed in residence at Rancho Santiago Community College District. At least 5 of the 160 required high school credits must be completed in residence at SCC's Continuing Education High School Program. Only 5 of the 20 residency credits may be challenged.

#### Petition for Graduation & Catalog Rights

A petition for graduation must be completed and submitted soon after the date a student completes the diploma requirements. Students who maintain continuous enrollment have the option to meet the certificate requirements as listed in the catalog in effect at the time of first enrollment or any subsequent year. Continuous enrollment is defined by earning a grade in continuing education for at least one course during any semester or session (fall/spring or summer), within that academic year. For the purposes of the catalog, an academic year begins with the fall semester and concludes with the summer session. If a student does not earn a grade on their transcript during any of the semesters, or sessions, during an academic year, then the student is no longer protected by previous diploma/certificate requirements and will be held to the additional requirements. The student must then reset their catalog rights clock to use the catalog at the time of readmission or subsequent enrollment. In the event a loss of catalog rights due



## CONTINUING EDUCATION INFORMATION

to extenuating circumstances, a student wishes to waive or substitute a requirement for certificate requirements, the student could complete the appropriate form and submit to the Exceptions for Academic Regulations (EAR) Committee for final determination.

NOTE: Commencement exercises are held once a year at the end of the spring semester for those students who complete the requirements for graduation during the year or the summer session. Students transferring credits to complete the high school diploma must have Official Transcripts from all high schools and/or colleges attended on file in the Admissions and Records office prior to graduation.

### 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:

- 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



## CONTINUING EDUCATION INFORMATION

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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.

### Citizenship

Introduces students to U.S. citizenship and the naturalization process, U.S. history, and government. Prepares students for the U.S. Citizenship and Immigration Services USCIS interview and exam.

### English as a Second Language (ESL)

Provides English language instruction for speakers of languages other than English. Offers instruction in the beginning through advanced levels. Core classes integrate the acquisition of skills in speaking, listening, reading, and writing. Specialty classes focus on further improvement of specific skills, such as conversation, pronunciation, writing, civics, or employability. Provides certificate programs for successful completion of levels; beginning through advanced, as well as specialty courses.

### Health and Safety

Provides courses specifically designed to offer lifelong education to promote the health, safety, and well-being of individuals, families, and communities.

### Older Adults

Offers courses designed to meet the specific needs of older students in a variety of areas, including music, cooking, health & wellness, manipulative skills, and discussion seminars. Many classes are offered in facilities specifically serving older adults.

### Parent Education

Provides courses that emphasize intellectual, physical, and emotional aspects of parenting.

### Substantial Disabilities

Provides courses designed to address the educational limitations of persons with a verified physical or mental impairment that substantially limits one or more major life activities.

### Workforce Preparation

Provides Workforce Preparation courses focusing on the basic skills of speaking, listening, reading, writing, mathematics, decision-making, and problem-solving skills that are necessary to participate in job-specific technical training.

PLEASE NOTE: Some workforce preparation courses are designed to meet the specific needs of adults with disabilities, including physical, intellectual, developmental, and learning disabilities.



## CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS

### POLICIES GOVERNING STUDENTS

#### Attendance

Students are expected to attend all class meetings. Students who are enrolled but absent on the first class session may be dropped. A student may also be dropped for excessive absences.

#### Enrollment

Students are expected to demonstrate academic progress throughout each course. Failure to meet academic goals and contracts may result in a student being dismissed from the program for more than one semester. Reentry enrollment is contingent upon a contractual agreement with the college administration.

#### Standards of Student Conduct

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

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

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

#### Academic Honesty

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

#### Disciplinary Action

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

#### Grading Standards

A	Superior	4 grade points per unit
B	Above Average	3 grade points per unit
C	Average	2 grade points per unit
D	Below Average	1 grade point But Passing per unit
F	Fail	0 grade points (but counted in GPA)
CIP	Currently In Progress	0 grade points
P	Pass	0 grade points
COM	Completed	0 grade points
SP	Satisfactory Progress	0 grade points
NP	No Pass	0 grade points

#### Credit by Examination

Credit by examination may be earned only for courses that are specifically designated as courses that are eligible for credit by examination. A student cannot take credit by examination to improve a substandard grade. High School Diploma Courses Information for receiving credit by examination may be obtained from a continuing education counselor.

#### High School Subjects:

English 066, 067, 068, 084, 098  
 Mathematics 156, 157, 159, 163, 164, 165, 166  
 Science 168, 169, 190, 191, 192, 193  
 Social Sciences 215, 218, 219, 222, 229, 230  
 Math Continuing Education 206, 255

#### Procedures for Student Complaints Regarding Grades

Education Code 76224 states: "When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor for the course; and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetence, shall be final."

#### Procedure:

1. Students shall meet with an instructor to discuss the grade.
2. If the issue is not resolved, and the student believes that the grade is based on mistake, fraud, bad faith, or incompetency (EC 76224), an appeal in writing may be made to the Area Dean of Instruction and Student Services. Forms of written appeal may be found in the office of the Area Dean of Instruction and Student Services.
3. The student may be requested to set up an appointment with the Dean of Instruction and Student Services to discuss the written complaint.
4. The Dean of Instruction and Student Services will review the allegations and may consult with the instructor.
5. The Dean of Instruction and Student Services will review the issue and will notify the student and instructor in writing of the decision.
6. The decision of the Dean of Instruction and Student Services is final.



**Complaint Procedures for Students**

Students may file a complaint when they believe they have been deprived of a right granted to students by the Board of Trustees in any of the policies or regulations of the Rancho Santiago Community College District. The purpose of these complaint procedures is to resolve differences as fairly and expeditiously as possible while preserving the rights of students and staff members.

**Definitions Days:** number of days refers to the days when the District offices are open. Committee: Continuing Education Student Complaint Committee.

**Procedure:**

1. Students shall first confer with the staff member who took action or made the ruling to which they object no later than ten days following the event which prompted the complaint. The Area Dean of Instruction and Student Services or designee will assist the student in arranging an appointment with the staff member.
2. If the difference is not satisfactorily resolved, the student shall confer with the staff member's supervisor. The Area Dean of Instruction and Student Services or designee will assist the student and staff member's supervisor.
3. If the complaint is unresolved, the student may file a written statement setting forth the nature of the complaint on the prescribed form with the Area Dean of Instruction and Student Services no later than ten days after conferring with the staff member's supervisor.
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.



## CONTINUING EDUCATION INSTRUCTIONAL PROGRAMS

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### Family Education Rights and Privacy

As required under the provisions of the Family Education Rights and Privacy Act of 1974, the Rancho Santiago Community College District will make public without student consent only certain directory information. This information consists of the following: a student's name; city of residence; a major field; participation in officially recognized activities and sports; weight, height, and age if a member of an athletic team; dates of attendance; degree and awards received; and the most recent previous educational institution or agency attended by the student. A student may request the Admissions and Records Office to withhold this information. Such requests must be in writing and submitted each semester.

### Use of Public School Facilities for Adult Classes

1. **Alcoholic Beverages and Controlled Substances:** Both by policies instituted by local Boards of Education (Garden Grove Unified School District, Orange Unified School District, Rancho Santiago Community College District, and Santa Ana Unified School District) and California State Law specifically prohibit possession of alcoholic beverages and controlled substances on school premises at any time, by any person, regardless of age. Regulations also prohibit the use of alcoholic beverages at school events, whether on or off the campus, or the appearance at school events while under the influence of alcoholic beverages and/or controlled substances. The penalty for violation of these 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.





# Adult Basic Education

## ACADEMIC SKILLS

### ABE009: 288.0 Hours

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)

**Requisites:**

**Advisory**

**ESL460** Intermediate ESL I or higher and/or placement by counselor assessment

## ACADEMIC SKILLS

### ABE009: 288.0 HOURS

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)

**Requisites:**

**Advisory**

**ESL303** Intermediate Low

## MONEY MATTERS: FINANCIAL LITERACY

### ABE010: 36.0 Hours

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.

**Requisites:**

None

## NATIVE LANGUAGE BASIC SKILLS FOR ADULTS

### ABE011: 216.0 Hours

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.

**Requisites:**

None

## ADULT BASIC EDUCATION READING

### ABE023:

#### 90.0 Hours

#### 72.0 Hours

Instructs students in basic reading and functional literacy skills. Prepares students for Adult High School Diploma courses, job training, or the California High School Equivalency Certificate course. Open Entry/Open Exit. 5 HS credits.

**Requisites:**

None

## ADULT BASIC EDUCATION WRITING

### ABE024: 72.0 Hours

Instructs students in basic writing and functional literacy skills. Prepares students for Adult High School Diploma courses, job training, or the California High School Equivalency Certificate course. Open Entry/Open Exit. 5 HS credits.

**Requisites:**

None

## ADULT BASIC EDUCATION MATHEMATICS

### ABE025:

#### 90.0 Hours

#### 72.0 Hours

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.

**Requisites:**

None

## ADULT BASIC EDUCATION SPELLING

### ABE026:

#### 90.0 Hours

#### 72.0 Hours

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.

**Requisites:**

None

# Apprenticeship: Carpentry

## SLABS/INTERIOR-EXTERIOR FOOTINGS

### ACA002B :1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## TILT-UP INTRODUCTION

### ACA003A : 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## LIFTING, AND BRACING SAFETY

### ACA004A : 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice



## POURED-IN-PLACE WALL FORMS

### ACA004B : 1.5 Units

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 be 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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PRINT READING

### ACA004C : 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## WALL-COLUMN FORMS/CUTTING AND BURNING

### ACA005A : 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SITE WORK/CURB AND GUTTER

### ACA005B : 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SPECIALIZED FORMS AND RIGGING

### ACA005C : 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ORIENTATION

### ACA021A : 2.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SAFETY AND HEALTH CERTIFICATIONS

### ACA021B: 2.0 Units

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 relevant to surviving the construction industry will be presented. Upon successful completion, students will be issued United Brotherhood of Carpenters (UBC) Scaffold Erector-Welded Frame Qualification Card. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## BASIC WALL FRAMING

### ACA021C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## TOOL/EQUIPMENT APPLICATIONS

### ACA021E: 1.5 Units

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.

#### Requisites:

#### Prerequisite

ACA021A Orientation

ACA021B Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## COMMERCIAL FLOOR FRAMING

### ACA022A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## BASIC STAIRS

### ACA022B: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## EXTERIOR FINISH DETAILS

### ACA022D: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## COMMERCIAL ROOF FRAMING

### ACA022E: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## BASIC ROOF FRAMING

### ACA023B: 1.5 Units

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 incorporate to facilitate the gable roof assembly techniques and installation procedures that are the focus of this training. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED ROOF FRAMING

### ACA023C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## BASIC COMMERCIAL FRAMING

### ACA024A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED COMMERCIAL FRAMING

### ACA024B: 1.5 Units

This course incorporates advanced commercial wall framing theory and construction techniques with structural hardware and shear panel installation. Students will interpret floor plans for job planning to layout and detail plates for complex wall configurations, rake walls and wall openings. Instruction will include measuring skills, use of mathematical principles, wall construction, plywood shear panel installation, and structural hardware attachment. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PANELIZED ROOFING

### ACA024C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## TRANSIT LEVEL/LASER

### ACA024D: 1.0 -2.0 Units

This course covers the terminology, optical principles, and operating procedures for the transit and laser levels. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## TOTAL STATION I

### ACA024E: 2.0 Units

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.

#### Requisites:

##### Prerequisite

ACA021A Orientation

ACA021B Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## WELDING FABRICATION

### ACA025: 1.5 Units

This course provides an introduction to the layout, cutting, and basic welding skills used in the fabrication process. The students will practice using oxy-acetylene equipment and accessories to setup, cut, shape, grind, weld, file, heat and bend metal parts. Training will include fundamental arc welding techniques to fabricate project components. Open Entry/Open Exit.

#### Requisites:

##### Prerequisite

ACA021A Orientation

ACA021B Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## FOUNDATIONS AND FLATWORK

### ACA025A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED STAIRS

### ACA025C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED PRINT READING

### ACA025D: 1.5 -2.0 Units

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 planning. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## TILT-UP PANEL CONSTRUCTION

### ACA026A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## WALL FORMING

### ACA026B: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## GANG FORMS/COLUMNS

### ACA026C: 1.5 Units

This course presents the formwork types, applications and construction methods for gang and column forms using built and manufactured forming systems. 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 using selected manufactured products. Related safety, mathematics and print reading will be covered in the training. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ABUTMENTS

### ACA026D: 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**BEAM AND DECK FORMING**

**ACA027C: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**STAIRS AND RAMP FORMING**

**ACA027D: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**BRIDGE CONSTRUCTION**

**ACA028A: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INTERMEDIATE COMMERCIAL FRAMING**

**ACA028C: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**BRIDGE FALSEWORK**

**ACA028E: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**ACA021A** Orientation

**AND**

**Prerequisite**

**ACA021B** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**RIGGING**

**ACA029A: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**RIGGING QUALIFICATION STUDIES - JOURNEYWORKER**

**ACA029BJ: 0.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Active Carpenter Union Member



## SOLAR INSTALLER LEVEL I

### ACA029C: 1.5 Units

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 I Qualification Card.

#### Requisites:

#### Prerequisite

**ACA021A** Orientation

#### AND

#### Prerequisite

**ACA021B** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## STANDARD FIRST AID

### ACA030A: 0.4 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CABINET MILLWORK AND ASSEMBLY

### ACA033A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CABINET INSTALLATION

### ACA033B: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SHOW CASE AND LOOSE STORE FIXTURES

### ACA033C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## MOLDING AND TRIMS

### ACA033D: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLASTIC LAMINATES

### ACA034A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOLID AND STONE SURFACES

### ACA034B: 1.5 Units

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)

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice





## STAIR TRIM

### ACA034C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DOORS AND DOOR HARDWARE

### ACA034D: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## EXIT AND ELECTRICAL SECURITY DEVICES

### ACA035C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SCAFFOLD ERECTOR, STANDARD 40 HOUR - JOURNEYWORKER

### ACA040CJ: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Carpenter Union Member

## SCAFFOLD ERECTOR, SYSTEMS SCAFFOLD - JOURNEYWORKER

### ACA040EJ: 0.6 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Carpenter Union Member

## POWERED INDUSTRIAL TRUCK OPERATOR - ROUGH TERRAIN

### ACA041A: 0.4 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## POWERED INDUSTRIAL TRUCK OPERATOR - INDUSTRIAL TERRAIN

### ACA041B: 0.4 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ACOUSTICAL CEILINGS

### ACA061A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## ADVANCED ACOUSTICAL CEILING LAYOUT

### ACA061B1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED ACOUSTICAL CEILING INSTALLATION

### ACA061C: 1.5 Units

This course identifies the advanced layout methods used to complete complex acoustical system installations. Students will use the tool and framing techniques presented to complete selected multifaceted acoustical ceiling layout projects. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## STANDARD ACOUSTICAL GRIDS

### ACA062: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SUSPENDED CEILINGS

### ACA063: 1.5 Units

Provides instruction covering the installation of suspended ceilings in various configurations and will include both radius and square wall drywall suspension methods. Students will complete selected suspended ceiling installations using the techniques presented. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ACOUSTICAL SOFFITS

### ACA064: 1.5 Units

Provides instruction covering the construction of acoustical soffits in various configurations and will include square and slant faced, tapered, concealed, drywall suspension and sloped soffits methods. Students will complete selected acoustical soffit installations using the techniques presented. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PREFAB/SOUND PANELS

### ACA065: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CONCEALED/GLUE-UP/STAPLE-UP SYSTEMS

### ACA066: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DESIGNER AND SPECIALTY TRIMS

### ACA067: 1.5 Units

This course covers specialty skills needed to produce professionally finished edges for designer ceiling installations. Students will use the techniques presented to produce multiple ceiling edge contours using the compasso trim system. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## METAL PAN AND SECURITY SYSTEMS

### ACA068: 1.5 Units

This course will focus on design, function and installation of metal pan and security systems incorporated into construction of suspended ceilings. Students will demonstrate the ability to installation these components to direct wire and indirect channel suspension ceiling grid systems. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ORIENTATION

### ACA071A: 2.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice





## SAFETY AND HEALTH CERTIFICATIONS

### ACA071B: 2.0 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## TOOL/EQUIPMENT APPLICATIONS

### ACA071C: 1.5 Units

This course covers the safe and appropriate use of fall protection, and emergency response procedures. Tool applications presented in this training will provide opportunities for tool skill mastery and equipment operation. Upon successful completion, students will be issued an American Red Cross First Aid/CPR Certification Card, and United Brotherhood of Carpenters (UBC) Fall Protection Qualification Card. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## BASIC METAL FRAMING

### ACA072A: 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## BASIC LATHING

### ACA072B: 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## ADVANCED LATHING

### ACA072C: 1.5 Units

This course presents advanced methods and application techniques for lath and trim products used on exterior-interior metal framing. Open Entry/Open Exit.

**Requisites:**

**Prerequisite**

ACA021A Orientation

AND

**Prerequisite**

ACA021B Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## FRAMING CEILINGS AND SOFFITS

### ACA073A: 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## FRAMING SUSPENDED CEILINGS

### ACA073B: 1.5 Units

Provides instruction covering the installation of circular ceilings with drops, and drywall suspension in both square and circular grids. Students will complete selected suspended ceiling installations using the techniques presented. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## FRAMING CURVES AND ARCHES

### ACA073C: 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PRINT READING

### ACA074A: 2.0 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## ADVANCED PRINT READING

### ACA074B: 2.0 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice



## AIR, MOISTURE, AND THERMAL BARRIERS

### ACA074C: 1.5 Units

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.

#### Requisites:

#### Prerequisite

**ACA071A** Orientation

#### AND

#### Prerequisite

**ACA071B** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## LIGHT GAGE WELDING AWS - A

### ACA075A: 1.5 Units

This course covers light gage welding methods and techniques. American Welding Society (AWS) welding processes, symbols, materials and safety procedures will be presented. Students will practice setting up equipment and identifying the proper electrode position and speed. Instruction will include an explanation of typical metal frame welding practices. An emphasis on hands-on experience using 6013 electrodes will reinforce proper use of the welding procedures. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## LIGHT GAGE WELDING LAC

### ACA075B: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## LIGHT GAGE WELDING AWS - B

### ACA075C: 1.5 Units

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 6013 electrodes will reinforce proper use of required welding procedures, and ability to perform welding tasks used to complete AWS certification process. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## BASIC HAND FINISHING

### ACA076A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## AUTOMATIC FINISHING TOOLS

### ACA076B: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DRYWALL INSTALLATION/FINISH TRIMS

### ACA077A: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED HAND FINISHING

### ACA077B: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## ADVANCED AUTOMATIC FINISHING TOOLS

### ACA077C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED METAL FRAMING

### ACA078B: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## WET WALL FINISHES

### ACA078C: 1.5 Units

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.

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CEILING AND SOFFIT FINISHING

### ACA078D: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DRYWALL AND ACOUSTICAL CEILINGS

### ACA079A: 1.5 Units

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 learned to complete a drywall-acoustical ceiling project. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DRYWALL APPLICATIONS

### ACA079C: 1.5 Units

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)

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DRYWALL APPLICATIONS

### ACA079D: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## S/B FIRESTOP/FIREPROOFING PROCEDURES

### ACA082B: 1.5 Units

This course covers various firestop/fireproofing systems and methods used as fire protection and fire control. Key discussions will highlight applicable fire codes and industry standards for testing firestop/fireproof methods. Manufacturer's guidelines will identify application tool anatomy, instruction for job preparation, loading instructions, operating procedures, maintenance and care of equipment. Basic descriptions of penetration types and the materials used, including non-combustibles and B-Expands, will be covered. Students will apply and test firestop/fireproofing material in a controlled environment. Open Entry/Open Exit. Former Title: Apprenticeship Carpentry 082B, Firestopping Procedures (2020)

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DECORATIVE TRIMS AND TEXTURES

### ACA082C: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## DOOR AND DOOR FRAMES

### ACA083: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DOOR/DOOR FRAME

### ACA083C: 1.5 Units

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.

#### Requisites:

#### Prerequisite

ACA021A Orientation

#### AND

#### Prerequisite

ACA021B Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## EXTERIOR INSULATION FINISH SYSTEMS (EIFS)

### ACA086A: 1.5 Units

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. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## FREEFORM LATHING

### ACA089: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## RESIDENTIAL STEEL STUD FRAMING

### ACA090: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CONFINED SPACE - JOURNEYWORKER

### ACA094J: 0.8 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Carpenter Union Member

## WATER TREATMENT FACILITIES

### ACA095: 1.5 Units

This course provides instruction in the detailing, layout and construction of concrete formwork and waterstop used in water treatment facilities. Open Entry/Open Exit.

#### Requisites:

#### Prerequisite

ACA021A Orientation

#### Prerequisite

ACA021B Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## QUICKBOOKS

### ACCT035: 2.0 Units

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.

#### Requisites:

None

## ACCOUNTING FOR SMALL BUSINESS

### ACCT100: 3.0 Units

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.

#### Requisites:

None

## FINANCIAL ACCOUNTING

### ACCT101: 4.0 Units

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.

#### Requisites:

None

## MANAGERIAL ACCOUNTING

### ACCT102: 4.0 Units

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.

#### Requisites:

##### Prerequisite

ACCT101 Financial Accounting

## MANAGERIAL COST ACCOUNTING

### ACCT204: 3.0 Units

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.

#### Requisites:

##### Prerequisite

ACCT102 Managerial Accounting

## INTERMEDIATE ACCOUNTING I

### ACCT205: 3.0 Units

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.

#### Prerequisite

ACCT102 Managerial Accounting

## IMPROVING ORAL EXPRESSION AND PRONUNCIATION

### ACE091: 2.0 Units

Students will improve pronunciation of individual sounds, word stress, intonation and connected speech through 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)

#### Requisites:

None

## ACADEMIC LISTENING AND SPEAKING I

### ACE094: 2.0 Units

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)

#### Requisites:

None

## ACADEMIC LISTENING AND SPEAKING 2

### ACE095: 2.0 Units

High-intermediate speaking and listening skills course. Students will increase their ability to understand and summarize longer 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)

#### 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.

## ACADEMIC READING AND WRITING I

### ACE104: 4.5 Units

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)

#### Requisites:

##### Prerequisite

Qualifying profile from placement process



## ACADEMIC READING AND WRITING 2

### ACE106: 4.5 Units

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)

#### Requisites:

##### Prerequisite

**ACE052** Expanding Academic Writing and Reading  
ACE 052 will be ACE 104 in Fall 2020

##### AND

##### Advisory

**ACE093** Refining Academic Speaking Skills  
Concurrent enrollment. ACE 093 will be ACE 095 in Fall 2020.

## INTRODUCTION TO ACADEMIC COMPOSITION

### ACE116: 4.5 Units

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 class meeting hours.

#### Requisites:

##### Prerequisite

**ACE102** Refining Academic Writing and Reading  
ACE 102 will become ACE 106 in Fall 2020

## ORIENTATION

### ACPD021: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SAFETY AND HEALTH CERTIFICATIONS

### ACPD022: 2.0 Units

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.

#### Requisites:

##### Prerequisite

**ACPD021** Orientation

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## TOOL/EQUIPMENT APPLICATIONS

### ACPD023: 1.5 Units

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.

#### Requisites:

##### Prerequisite

**ACPD021** Orientation

##### AND

##### Prerequisite

**ACPD022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PILES AND HAMMERS A

### ACPD024A: 1.5 Units

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.

#### Requisites:

##### Prerequisite

**ACPD021** Orientation

##### AND

##### Prerequisite

**CPD022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PILES AND HAMMERS B

### ACPD024B: 1.5 Units

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.



**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**FALSEWORK A**

**ACPD026A: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**FALSEWORK B**

**ACPD026B: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**ABUTMENT A**

**ACPD027A: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**ABUTMENT B**

**ACPD027B: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**BRIDGE AND DECK FORMS A**

**ACPD028A: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**BRIDGE AND DECK FORMS B**

**ACPD028B: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**STRUCTURAL WELDING-AWS A**

**ACPD029A: 1.5 Units**

This course is designed to be compliant with the American Welding Society (AWS) D1.1 code requirements and provide workers with industry-recognized structural welding credentials. A careful examination of the applicable codes will include terminology, shielded metal arc welding processes (SMAW), equipment and safety requirement, electrode identification and applications, welding positions, and deposits. Practical experience will include symbol identification, print interpretation, code citation, safe equipment set-



up and operation, and recognition/remediation of welding flaws. This course will focus on the written examination and production of practical test plates required for AWS D1.1 certification. Open Entry/Open Exit.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## STRUCTURAL WELDING-AWS B

### ACPD029B: 1.5 Units

This course provides practical experience for structural welding skills used in commercial and industrial construction. Instruction will include a review of welding terminology, welding processes, welding equipment, and safety requirements. Key discussions will be used to identify electrode characteristics and metal inert gas/tungsten inert gas (MIG/TIG) welding applications. Practical experience will include safety procedures, proper equipment set-up and operation, electrode selection, fillet and groove weld formation in three positions, and recognition/remediation of welding flaws. This course will focus on developing the manipulative ability required for producing test plates acceptable for AWS D1.1 certification. Open Entry/Open Exit.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PRINT READING

### ACPD030: 1.5 - 2.0 Units

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.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## WELDING FABRICATION A

### ACPD031A: 1.5 Units

This course provides an introduction to fabrication skills using oxygen/acetylene torch and welding equipment. A review of torch cutting principles will cover parts identification, gas characteristics, torch accessories and tips, safe operating and inspection criteria, and manufacturer's guidelines for use and care. Instruction will include inspection, torch set-up, criteria for interchanging of cutting tips and attachments, 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 gages, and the importance of following project instructions will be stressed during cutting/welding fabrication exercises. Open Entry/Open Exit.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## WELDING FABRICATION B

### ACPD031B: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**ACPD021** Orientation

**AND**

**Prerequisite**

**ACPD022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## TOOL/EQUIPMENT APPLICATIONS

### ACPL023: 1.5 Units

This course promotes hand/power tool and equipment skill development for various interior systems construction applications. Aerial lift safety and operating procedures, and scaffold building will also be covered. Upon successful completion, students will be issued the United Brotherhood of Carpenters (UBC) Aerial Lift and Scaffold Erector-Welded Frame Qualification Cards. Open Entry/Open Exit.

**Requisites:**

**Prerequisite**

**ACA071A** Orientation

**AND**

**Prerequisite**

**ACA071B** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## BASIC PLASTERING

### ACPL025: 1.5 Units

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.





**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**EXTERIOR PLASTERING**

**ACPL026: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**DOT AND SCREED TECHNIQUES**

**ACPL027: 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INTERIOR PLASTERING**

**ACPL028: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**TENDER AND PLASTERING EQUIPMENT**

**ACPL029: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**EXTERIOR INSULATION FINISH SYSTEMS (EIFS)**

**ACPL030: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**ORNAMENTAL PLASTERING**

**ACPL031: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**PLASTERING EQUIPMENT APPLICATION**

**ACPL032: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**FINISH APPLICATIONS**

**ACPL033: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**THEME PLASTERING**

**ACPL034: 1.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice



## COSMETOLOGY APPRENTICE

### ACS035: 0.5 - 14.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOUND AND COMMUNICATION APPRENTICE 1

### AEL021: 4.5 Units

Provides related and supplemental instruction for Sound Electrician Apprentices in the structure and requirements of the International Brotherhood of Electrical Workers (IBEW) and the National Electrical Contractors Association (NECA) Apprenticeship program, tools, and test instruments and electricity in Direct Current (DC) Theory Series Circuits. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOUND AND COMMUNICATION APPRENTICE 2

### AEL022: 4.5 Units

Provides related and supplemental instruction for indentured Sound Electrician Apprentices in Commercial Building Telecommunications Cable Standards, Residential and Light Commercial Telecommunications Wiring and Fiber Optic Cabling. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOUND AND COMMUNICATION APPRENTICE 3

### AEL023: 4.5 Units

Provides related and supplemental instruction for indentured Sound Electrician Apprentices in the International Brotherhood of Electrical Workers (IBEW), National Electrical Code, Alternating Current (AC) theory, analog and digital telephone systems and Distributed/Paging systems. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOUND AND COMMUNICATION APPRENTICE 4

### AEL024: 4.5 Units

Provides related and supplemental instruction for indentured Sound Electrician Apprentices in commercial building grounding and bonding requirements for telecommunications, security systems and installing Local Area Networks (LAN). Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOUND AND COMMUNICATION APPRENTICE 5

### AEL025: 4.5 Units

Provides related and supplemental instruction for indentured Sound Electrician Apprentices in basic semiconductor diodes, transistors and rectifiers in electronic applications and Closed Circuit Television (CCTV) distribution systems. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOUND AND COMMUNICATION APPRENTICE 6

### AEL026: 4.0 Units

Provides related and supplemental instruction for indentured Sound Electrician Apprentices in Closed Circuit Television Cameras (CCTV), Fiber Optic Certification, and prepares students for state required Fire Alarm and Voice Data Video Exam. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOUND AND COMMUNICATION APPRENTICE 7

### AEL027: 4.0 Units

Provides related and supplemental instruction for indentured Sound Electrician Apprentices in BICSI Certification, Tyco (AMP) ACT I, and National Institute for Certification in Engineering Technologies (NICET) Level I Fire Alarm Systems. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOUND AND COMMUNICATION APPRENTICE 8

### AEL028: 4.0 Units

Provides related and supplemental instruction for indentured Sound Electrician Apprentices in Building Industry Consulting Services International (BICSI) Technician training, high pair count copper splicing, connectors for audiovisual and communications, Master Antenna Television/Cable Television Radio Frequency (MATV/CATV) Radio Frequency (RF) Broadband Distribution, National Institute for Certification in Engineering Technologies (NICET) Level II Audio Systems Technician training. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE I

### AEL031: 4.0 - 4.5 Units

Provides the related and supplement instruction required for apprentice electricians in the intelligent transportation industry in tools and fasteners, National Electrical Code (NEC), math, building materials, conduit bending, electrical safety and proper use of tools and ladders. Open Entry/Open Exit.

#### Requisites:

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 2**

**AEL032: 4.0 - 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 3**

**AEL033: 4.0 - 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 4**

**AEL034: 4.0 - 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 5**

**AEL035: 4.0 - 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 6**

**AEL036: 4.0 - 4.5 Units**

Provides the related and supplemental instruction required for Intelligent Transportation Apprentice Electricians in grounding and bonding, fire alarm systems, transformers and electrical safety-related work practices for Intelligent Transportation Apprentices. Continued study of Caltrans Plans and Specifications. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 7**

**AEL037: 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 8**

**AEL038: 4.0 - 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 9**

**AEL039: 4.0 - 4.5 Units**

Ninth semester of a five-year program. Provides related and supplemental instruction in becoming a Journeyworker in the Intelligent Transportation Systems Industry. Torqueing methods and requirements for electrical equipment, Solid State Systems and OSHA 30 safety practices in construction for intelligent transportation systems apprentices. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN APPRENTICE 10**

**AEL040: 4.5 Units**

Provides related and supplemental instruction required for Intelligent Transportation Apprentice Electricians in Torqueing methods and requirements for electrical equipment, Photovoltaic Systems and OSHA 30 safety practices in construction for inside wireman apprentices. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## **INSIDE WIREMAN I**

**AEL051: 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice.

**INSIDE WIREMAN 2****AEL052: 4.0 - 4.5 Units**

Second semester of a five year program. Provides related and supplemental instruction in Direct Current (DC) theory, the National Electrical Code, safe work practices, series circuits, parallel circuits, combination circuits and hand bending conduit for inside wireman apprentices. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INSIDE WIREMAN 3****AEL053: 4.5 Units**

Third semester of a five year program. Provides related and supplemental instruction in codeology, Direct Current (DC), Alternating Current (AC), and commercial blueprints, for inside wireman apprentices. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INSIDE WIREMAN 4****AEL054: 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INSIDE WIREMAN 5****AEL055: 4.5 Units**

Fifth semester of a five year program. Provides related and supplemental instruction in rigging, hoisting and signaling, national electric code, grounding and bonding, electrical safety related work practices and blueprints for inside wireman apprentices. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INSIDE WIREMAN 6****AEL056: 4.5 Units**

Sixth semester of a five year program. Provides related and supplemental instruction in Grounding and Bonding, Fire Alarm Systems, Transformers and Electrical Safety Related Work Practices for inside wireman apprentices. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INSIDE WIREMAN 7****AEL057: 4.5 Units**

Seventh semester of a five year program. Provides related and supplemental instruction in Code Calculations, Blueprints, Electrical Grounding and Bonding and Motors. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INSIDE WIREMAN 8****AEL058: 4.5 Units**

Eighth semester of a five year program. Provides related and supplemental instruction in Code Calculations, Code and Practices and Motor Control for inside wireman apprentices. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INSIDE WIREMAN 9****AEL059: 4.5 Units**

Ninth semester of a five year program. Provides related and supplemental instruction in becoming a Journeyworker in the Electrical Industry, Torquing methods and requirements for electrical equipment, Solid State Devices for Motor Control and OSHA 30 safety practices in construction for inside wireman apprentices. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**INSIDE WIREMAN 10****AEL060: 4.5 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**ELECTRICAL SAFETY AND FIRST AID****AEL061: 1.5 Units**

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.

**Requisites:**

None



**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**ORIENTATION**

**AIN021: 2.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

**SAFETY AND HEALTH CERTIFICATIONS**

**AIN022: 2.0 Units**

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

**INSULATION BASICS**

**AIN023: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**AIN022 Safety and Health Certifications**

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

**CONSTRUCTION METHODS**

**AIN024: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

**PRINT READING**

**AIN025A : 2.0 Units**

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

**ADVANCED PRINT READING**

**AIN025B : 2.0 Units**

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

**SOUND CONTROL AND WEATHERSTRIPPING**

**AIN026: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

**FLEXIBLE FOAM INSULATION**

**AIN027: 1.5 Units**

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.

**Requisites:**

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## GREEN BUILDING AND WEATHERIZATION

### AIN031: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## SPECIALTY INSULATION

### AIN032: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## ENERGY AUDIT

### AIN033: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## FIRESTOP/FIREPROOFING PROCEDURES

### AIN034: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## INFILTRATION AND MOISTURE CONTROL

### AIN035: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice



## LOOSE FILL AND SPRAY INSULATION

### AIN036: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## RIGID FOAM AND CELLULAR GLASS INSULATION INSTALLATIONS

### AIN037: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## S/B CREW LEAD TRAINING

### AIN041: 2.5 Units

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)

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**AND**

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## TOOL/EQUIPMENT APPLICATIONS

### AIN043: 1.5 Units

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.

**Requisites:**

**Prerequisite**

**AIN021** Orientation

**AND**

**Prerequisite**

**AIN022** Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured Insulator apprentice

## PERIOD I

### AME021: 4.5 Units

Provides the related and supplemental instruction required for the first level Maintenance Electrician Apprentice in mathematics, industrial safety and health, using hand and portable power tools, basic measurements, basic electricity, and basic mechanics. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PERIOD 2

### AME052: 4.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PERIOD 3

### AME053: 4.0 - 4.5 Units

Provides the related and supplemental instruction required for the third level Maintenance Electrician Apprentice in reading blueprints, schematics, symbols, drawings and diagrams; rigging principles and practices for electricians; AC/DC equipment and controls; AC generation, transmission and distribution; over-current protective devices; and continuing education with the NEC and NFPA 70E Workplace Electrical Safety. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice



## PERIOD 4

### AME054: 4.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PERIOD 5

### AME055: 4.0 - 4.5 Units

Provides the related and supplemental instruction required for the fifth level Maintenance Electrician Apprentice in the application of code requirements, variable frequency drives (VFD), VFD faults and troubleshooting, input/output devices, semi-conductors, and power supplies. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PERIOD 6

### AME056: 4.5 Units

Provides the related and supplemental instruction required for the sixth level Maintenance Electrician Apprentice in the application of code requirements, introductory programming, programmable logic controllers (PLC), and advanced electricity. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PERIOD 7

### AME057: 4.0 - 4.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PERIOD 8

### AME058: 4.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ORIENTATION

### AMF021: 2.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## MODULAR CABINETS, DOORS AND DRAWERS

### AMF023: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## INTRODUCTION TO MODULAR FURNISHING

### AMF024: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## EDUCATIONAL AND SEISMIC INSTALLATIONS

### AMF025: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## HOSPITAL MODULAR INSTALLATIONS

### AMF026: 1.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice





## WALL AND OVERHEAD ATTACHMENTS

### AMF029: 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## CREW LEAD CUSTOMER SERVICE TRAINING

### AMF030: 2.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## S/B MODULAR PRE-CUT GLASS: HANDLING AND INSTALLATION

### AMF031: 1.5 Units

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)

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## BASIC FRAMING AND RETRO-FITS

### AMF032: 1.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## SOLID SURFACE AND STONE COUNTERTOPS

### AMF034: 1.5 Units

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.

**Requisites:**

**Prerequisite**

AMF021 Orientation

**AND**

**Prerequisite**

AMF022 Safety and Health Certifications

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PERIOD 1

### AMM021: 3.0 - 4.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PERIOD 2

### AMM022: 3.0 - 4.5 Units

Provides the related and supplemental instruction required for the second level Maintenance Mechanic Apprentice to include awareness of electrical safety and protection; interpreting symbols and reading technical drawings; introduction to building and construction codes, standards and specifications; and introduction to metallurgy, oxygen cutting, welding and metal fabrication. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PERIOD 3

### AMM023: 3.0 - 4.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PERIOD 4

### AMM024: 3.0 - 4.5 Units

Provides the related and supplemental instruction required for the fourth level Maintenance Mechanic Apprentice in pump types and applications; piping systems; pump hydraulics; tubing and hose applications, installation and maintenance; installation and maintenance pipefitting; and troubleshooting skills. Open Entry/Open Exit.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

## PERIOD 5

### AMM025: 3.0 - 4.5 Units

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice



## PERIOD 6

### AMM026: 3.0 - 4.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PERIOD 7

### AMM027: 3.0 - 4.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PERIOD 8

### AMM028: 3.0 - 4.5 Units

Provides the related and supplemental instruction required for the eighth level Maintenance Mechanic Apprentice in mechanical systems; maintenance and operations procedures; and project planning, layout, estimating, and scheduling. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SAFETY AND HEALTH CERTIFICATIONS

### AMW022: 2.0 Units

This course covers the safe and appropriate use of forklift, aerial lift equipment in industrial setting, and emergency response procedures. Upon successful completion, students will be issued First Aid and CPR Certification and UBC Scaffold, Aerial Lift and Forklift Qualification Cards. Open Entry/Open Exit.

#### Requisites:

AMW021 Orientation

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## MILLWRIGHT GENERAL SKILLS - A

### AMW023A : 1.5 Units

Students will identify and use hand and power tools, machining equipment and precision instruments at a fundamental level. Students will complete various bench layout tasks using shop drawings. Open Entry/Open Exit.

#### Requisites:

#### Prerequisite

AMW021 Orientation

#### Prerequisite

AMW022 Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## MILLWRIGHT GENERAL SKILLS - B

### AMW023B : 1.5 Units

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.

#### Requisites:

#### Prerequisite

AMW021 Orientation

#### Prerequisite

AMW022 Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## S/B PRINT READING

### AMW024: 2.0 Units

This course introduces the basic visualization skills needed for reading and interpreting construction prints. Views, elevations, and the role of specifications as they relate to prints will be discussed. Open Entry/Open Exit. Former Title: Apprenticeship Millwright 024, Printreading (2020)

#### Requisites:

#### Prerequisite

AMW021 Orientation

#### AND

#### Prerequisite

AMW022 Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## WELDING FABRICATION

### AMW025: 1.5 Units

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.

#### Requisites:

#### Prerequisite

AMW021 Orientation

#### Prerequisite

AMW022 Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## CUTTING AND BURNING

### AMW026: 1.5 Units

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.

#### Requisites:

#### Prerequisite

AMW021 Orientation

#### Prerequisite

AMW022 Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice



## OPTICS AND MACHINERY ALIGNMENT

### AMW027: 1.5 Units

This course covers the terms, characteristics, and operating principles for the transit and laser levels. Procedures for establishing machinery and equipment elevation and alignment will be demonstrated and practiced. Open Entry/Open Exit.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## MACHINERY SHAFT ALIGNMENT

### AMW028: 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## STRUCTURAL WELDING - AWS A

### AMW029A : 1.5 Units

This course is designed to prepare the student to obtain an American Welding Society (AWS) structural welding certificate per AWS D1.1 Structural Welding Code, the welding of plates that are 1/8" to unlimited thickness. Open Entry/Open Exit.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## STRUCTURAL WELDING - AWS B

### AMW029B : 1.5 Units

This course is designed to prepare the student to obtain an AWS structural welding certificate per AWS D1.1 Structural Welding Code, the welding of plates that are 1/8" to unlimited thickness. Practical assignments will include metal inert gas (MIG) and tungsten inert gas (TIG) welding. Open Entry/Open Exit.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## RIGGING HARDWARE AND PROCEDURES

### AMW030: 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## TURBINE FAMILIARIZATION

AMW031: 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## PUMPS

### AMW032: 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice



## CONVEYOR SYSTEMS

### AMW033: 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## DRIVES, PULLEYS AND BELTS

### AMW034: 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## MACHINERY INSTALLATION AND ERECTION - A

### AMW036A : 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## MACHINERY INSTALLATION AND ERECTION - B

### AMW036B : 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## TURBINE MAINTENANCE

### AMW037: 1.5 Units

Students will use machinery maintenance skills and techniques for disassembly/assembly of a typical gas turbine. Couplings, bearings, and rotors will be inspected, and tolerances verified to complete onsite hands-on tasks. Open Entry/Open Exit.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright- apprentice

## COMPRESSOR THEORY AND MAINTENANCE

### AMW039: 1.5 Units

This course will cover the compressor operating principles, safety, assembly, and maintenance skills for industrial compressors. Exercises will focus on the disassembly, inspection, and reassembly of compressor components. Open Entry/Open Exit.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## TOOL/EQUIPMENT APPLICATIONS

### AMW043: 1.0 - 1.5 Units

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.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

#### AND

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice

## SOLAR INSTALLER LEVEL I

### AMW051: 1.5 Units

This course covers the design and function of several types of solar installation. The methods, sequences and procedures for mounting layout, elevation/positioning, and assembly for solar construction will be presented to apprentices. Open Entry/Open Exit.

#### Requisites:

##### Prerequisite

**AMW021** Orientation

##### Prerequisite

**AMW022** Safety and Health Certifications

#### Limitations on Enrollment:

- Must be a state-indentured Millwright apprentice



## INTRODUCTION TO CULTURAL ANTHROPOLOGY

### ANTH100: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### Course Identifier (C-ID)

- Anthropology

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## HONORS INTRODUCTION TO CULTURAL ANTHROPOLOGY

### ANTH100H : 3.0 Units

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.

#### Requisites:

##### Prerequisite

A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Anthropology

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## INTRODUCTION TO PHYSICAL ANTHROPOLOGY

### ANTH101: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B2: Life Sciences

##### IGETC - Plan C

- Area 5B: Biological Science

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area E2 - Biological Sciences

## PHYSICAL ANTHROPOLOGY LABORATORY

### ANTH101L: 1.0 Units

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.

#### Requisites:

##### Prerequisite

ANTH101 Introduction to Physical Anthropology or concurrent enrollment

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5C: Laboratory Activities

#### Santa Ana College - Shared Course

- Shared Course with SAC



## INTRODUCTION TO ARCHAEOLOGY

### ANTHI03: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Anthropology

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## LANGUAGE AND CULTURE

### ANTHI04: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Anthropology

#### Santa Ana College - Shared Course

- Shared Course with SAC

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## CONSTRUCTION SAFETY

### INSPECTOR APPRENTICE 1

#### AOE011: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CONSTRUCTION SAFETY INSPECTOR

### APPRENTICE 2

#### AOE012: 4.0 Units

Provides related and supplemental instruction for state-indentured apprentices employed full-time in the operating engineer field. Covers basic safety for a worker on hazardous waste and materials project, including the General Industry Outreach 30-hour OSHA safety course. Apprentices successfully completing this course will receive up to two certifications: Occupational Safety and Health Administration (OSHA) HAZWOPER 40-hr Worker Certificate and OSHA General Industry Outreach 30-hr Worker Safety Certificate. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CONSTRUCTION SAFETY

### INSPECTOR APPRENTICE 3

#### AOE013: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CONSTRUCTION SAFETY INSPECTOR

### APPRENTICE 4

#### AOE014: 0.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## CONSTRUCTION SAFETY INSPECTOR APPRENTICE 5

### AOE015: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CONSTRUCTION SAFETY INSPECTOR APPRENTICE 6

### AOE016: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLANT EQUIPMENT OPERATOR I

### AOE021: 4.0 Units

Provides the related and supplemental instruction required for Operating Engineer Apprentices in safety, first aid, industry terminology, operation and maintenance of equipment used in the aggregate processing industry; emphasis on preventive maintenance. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLANT EQUIPMENT OPERATOR I - JOURNEYWORKER

### AOE021J : 4.0 Units

Provides journeyworkers instruction required for Operating Engineers in safety, first aid, industry terminology, operation and maintenance of equipment used in the aggregate processing industry; emphasis on preventive maintenance. This course explores advanced topics and focuses on specific types of equipment used in various situations.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Union Member

## PLANT EQUIPMENT OPERATOR 2

### AOE022: 4.0 - 5.0 Units

Provides the related and supplemental instruction required for Operating Engineer Apprentices in the safe use of oxyacetylene cutting equipment, the technique of brazing and electric arc welding. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLANT EQUIPMENT OPERATOR 2 - JOURNEYWORKER

### AOE022J :4.0 Units

Provides journeyworkers instruction required for Operating Engineers in the safe use of oxyacetylene cutting equipment, the technique of brazing and electric arc welding. This course explores advanced topics and focuses on specific types of equipment used in various situations.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Union Member

## PLANT EQUIPMENT OPERATOR 3

### AOE023: 4.0 Units

Provides the related and supplemental instruction required for Operating Engineers Apprentices in safety practices, pre-shift inspection, lubrication, maintenance and heavy equipment operation. Introduce the Apprentice to Green Technologies pertaining to this field. Emphasizes practical experience in performing the work processes. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLANT EQUIPMENT OPERATOR 3 - JOURNEYWORKER

### AOE023J : 4.0 Units

Provides the journeyworker instruction required for Operating Engineers in safety practices, pre-shift inspection, lubrication, maintenance and heavy equipment operation. Introduce the Journeyworker to Green Technologies pertaining to this field. Emphasizes practical experience in performing the work processes. This course explores advanced topics and focuses on specific types of equipment used in various situations.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Union Member

## PLANT EQUIPMENT OPERATOR 4

### AOE024: 4.0 Units

Provides the related and supplemental instruction required for Operating Engineer Apprentices in pneumatics, power hydraulics, filtration, piping/sealing devices and electricity, emphasizing troubleshooting three phase industrial motor control systems. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLANT EQUIPMENT OPERATOR 4 - JOURNEYWORKER

### AOE024J: 4.0 Units

Provides the Journeyworker instruction required for Operating Engineer in pneumatics, power hydraulics, filtration, piping/sealing devices and electricity, emphasizing troubleshooting three phase industrial motor control systems. This course explores advanced topics and focuses on specific types of equipment used in various situations.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Union Member



## PLANT EQUIPMENT OPERATOR 5

### AOE025: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLANT EQUIPMENT OPERATOR 5 - JOURNEYWORKER

### AOE025J :4.0 Units

Provides the journeyworker instruction required for Operating Engineers in disassembly, diagnosis, repair, assembly/adjustment of cone crushers, screens, separators and belt conveyors. This course explores advanced topics and focuses on specific types of equipment used in various situations.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Union Member

## PLANT EQUIPMENT OPERATOR 6

### AOE026: 4.0 Units

Provides the related and supplemental instruction required for Operating Engineer Apprentices in the operation of asphalt/concrete plants, material handling, storage, batching tolerances and electrical controls. Ability to identify and service gasoline and diesel engines. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLANT EQUIPMENT OPERATOR 6 - JOURNEYWORKER

### AOE026J :4.0 Units

Provides the journeyworker instruction required for Operating Engineer in the operation of asphalt/concrete plants, material handling, storage, batching tolerances and electrical controls. Ability to identify and service gasoline and diesel engines. This course explores advanced topics and focuses on specific types of equipment used in various situations.

#### Requisites:

None

#### Limitations on Enrollment:

- Active Union Member

## HEAVY DUTY REPAIRER I

### AOE031: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## HEAVY DUTY REPAIRER 2

### AOE032: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## HYDRAULICS

### AOE033: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED HYDRAULICS

### AOE034: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## HEAVY DUTY REPAIRER 5

### AOE035: 144.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DISASSEMBLY AND ASSEMBLY

### AOE036: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice





## INTRODUCTION TO APPRENTICESHIP

### AOE041: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## GRADE CHECKING

### AOE042: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## EQUIPMENT OPERATOR 3

### AOE043: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLAN READING

### AOE044: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## EQUIPMENT OPERATOR 5

### AOE045: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## HAZMAT 6

### AOE046: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## OPERATING ENGINEERS HAZMAT 40

### AOE047: 1.5 - 2.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## DISASTER SITE WORKER

### AOE048: 0.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## TOWER CRANE

### AOE054: 0.5 - 1.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## CONCRETE TRANSPORTATION CONSTRUCTION INSPECTOR

### AOE061: 4.0 - 5.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ASPHALT INSPECTION

### AOE062: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ACI LABORATORY TESTING TECHNICIAN I

### AOE063A :4.0 Units

Provides the required related and supplemental instruction for operating engineer apprentices in laboratory testing on aggregates used for structural concrete. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ACI LABORATORY TESTING TECHNICIAN II

### AOE064A :4.0 Units

Provides the required related and supplemental instruction for operating engineer apprentices in design parameters for batching structural concrete. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## REINFORCED CONCRETE

### AOE071A: 4.0 Units

Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, reinforcing steel, blueprinting reading, guniting, 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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PRESTRESSED CONCRETE

### AOE072A: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## STRUCTURAL STEEL/WELDING

### AOE073A: 4.0 Units

Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, welding, report writing, people skills, guniting applications. Apprentices will gain the knowledge, research skills and confidence needed to pass their written and oral exams. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## STRUCTURAL STEEL/BOLTING

### AOE073B: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## STRUCTURAL MASONRY

### AOE074A: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SOILS INSPECTION AND TESTING

### AOE075A: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## STRUCTURAL PLAN READING FOR INSPECTORS

### AOE076A: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ICC SOILS SPECIAL INSPECTOR

### AOE077A: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CERTIFIED WELDING INSPECTOR

### AOE079: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## STRUCTURAL CONCRETE PLAN READING

### AOE080: 3.0 Units

Provides instruction for operating engineers in the design and engineering requirements of structural buildings and the fundamentals of structural concrete. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## STRUCTURAL REINFORCED CONCRETE FOR INSPECTORS

### AOE081: 3.0 Units

Provides the required related and supplemental instruction for operating engineer apprentices in codes and duties, reinforcing steel, plan set reading, guniting, 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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## NON-DESTRUCTIVE TESTING

### AOE082: 4.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ORIENTATION

### APL020: 3.0 Units

Provides related and supplemental instruction required for entry-level apprentice power linemen.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## POWER LINEMAN APPRENTICE I

### APL021: 2.5 - 3.0 Units

Provides the related and supplemental instruction required for entry-level power lineman apprentices in the tools, math, theory, and safety required in the power lineman industry.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## POWER LINEMAN APPRENTICE 2

### APL022: 2.5 - 3.0 Units

Provides the related and supplemental instruction in the theory, math, construction methods, and safety required for the second-level power lineman apprentice.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## POWER LINEMAN APPRENTICE 3

### APL023: 2.5 - 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## POWER LINEMAN APPRENTICE 4

### APL024: 2.5 - 3.0 Units

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.

#### Requisites:

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**POWER LINEMAN APPRENTICE 5****APL025: 2.5 - 3.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**POWER LINEMAN APPRENTICE 6****APL026: 2.5 - 3.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**WORK METHODS TRAINING****APL041: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**RUBBER GLOVES TRAINING****APL042: 0.5 - 1.0 Units**

Provides the required related and supplemental instruction for apprentice power linemen in tools, accident prevention rules, rubber glove guidelines and rules.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

**HOT STICKS TRAINING****APL043: 0.5 - 1.0 Units**

Provides the required related and supplemental instruction for apprentice power linemen in history, development, manufacture and care of hot line tools.

**Requisites:**

None

**Limitations on Enrollment:**

- Must be a state-indentured apprentice

# ART

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**INTRODUCTION TO ART CONCEPTS****ART100: 3.0 Units**

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.

**Requisites:**

None

**General Education Plan:****Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3A:Arts

**HONORS INTRODUCTION TO ART CONCEPTS****ART100H: 3.0 Units**

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.

**Requisites:**

None

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:****Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3A:Arts

**Course Identifier (C-ID)**

- Art History



**SURVEY OF WESTERN ART HISTORY I:  
PREHISTORY THROUGH THE MIDDLE AGES  
ART101: 3.0 Units**

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.

**Requisites:**

**Advisory**

**ENGL100** Freshman Composition with Integrated Support

**OR**

**Advisory**

**ENGL101** Freshman Composition

**OR**

**Advisory**

**ENGL101H** Honors Freshman Composition

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3A:Arts

**Course Identifier (C-ID)**

- Art History

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area CI - Art

**HONORS SURVEY OF WESTERN ART  
HISTORY I: PREHISTORY THROUGH THE  
MIDDLE AGES**

**ART101H: 3.0 Units**

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.

**Requisites:**

**Advisory**

**ENGL101** Freshman Composition  
Previous or concurrent enrollment

**OR**

**Advisory**

**ENGL101H** Honors Freshman Composition  
Previous or concurrent enrollment

**OR**

**Advisory**

**ENGL100** Freshman Composition with Integrated Support  
Previous or concurrent enrollment

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3A:Arts

**SURVEY OF WESTERN ART HISTORY II:  
RENAISSANCE THROUGH THE  
TWENTIETH CENTURY**

**ART102: 3.0 Units**

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.

**Requisites:**

**Advisory**

**ENGL100** Freshman Composition with Integrated Support

**OR**

**Advisory**

**ENGL101** Freshman Composition

**OR**

**Advisory**

**ENGL101H** Honors Freshman Composition

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3A:Arts

**Course Identifier (C-ID)**

- Art History

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area CI - Art



## HONORS SURVEY OF WESTERN ART HISTORY II: RENAISSANCE THROUGH THE TWENTIETH CENTURY

### ART102H: 3.0 Units

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.

#### Requisites:

##### Advisory

**ENGL101** Freshman Composition  
Previous or concurrent enrollment

##### OR

##### Advisory

**ENGL101H** Honors Freshman Composition  
Previous or concurrent enrollment

##### OR

##### Advisory

**ENGL100** Freshman Composition with Integrated Support  
Previous or concurrent enrollment

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area CI: Arts (Art, Cinema, Dance, Music, Theatre)

##### Course Identifier (C-ID)

- Art History

##### IGETC - Plan C

- Area 3A: Arts

## TWO-DIMENSIONAL DESIGN

### ART110: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Art 110 and 111 may be taken a maximum of four enrollments.

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### Course Identifier (C-ID)

- Studio Arts

##### Local - Plan D

- Area CI - Art

## THREE-DIMENSIONAL DESIGN

### ART111: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Art 110 and 111 may be taken a maximum of four enrollments.

## GRAPHIC DESIGN I

### ART122: 3.0 Units

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.

#### 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

#### Limitations on Enrollment:

- Course Family A combination of Art 122 and 221 may be taken a maximum of four enrollments.

## INTRODUCTION TO ILLUSTRATION

### ART128: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ART130** Introduction to Drawing

#### Limitations on Enrollment:

- Course Family A combination of Art 128 and 228 may be taken a maximum of four enrollments.

## INTRODUCTION TO WEB DESIGN

### ART129: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Art 129, 159, 229 and 259 may be taken a maximum of four enrollments.



## INTRODUCTION TO DRAWING

### ART130: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Art 130, 230, 233 and 250 may be taken a maximum of four enrollments.

## BEGINNING LIFE DRAWING

### ART131: 3.0 Units

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.

#### Requisites:

##### Advisory

**ART130** Introduction to Drawing

#### Limitations on Enrollment:

- Course Family A combination of Art 131, 231 and 232 may be taken a maximum of four enrollments.

## BEGINNING PAINTING

### ART141: 3.0 Units

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.

#### Requisites:

##### Advisory

**ART110** Two-Dimensional Design

#### AND

##### Advisory

**ART130** Introduction to Drawing

#### Limitations on Enrollment:

- Course Family A combination of Art 141, 241 and 242 may be taken a maximum of four enrollments.

## INTRODUCTION TO DIGITAL PHOTOGRAPHY

### ART149: 3.0 Units

An introductory course in digital photography and imaging including basic camera functions, natural and artificial lighting, computer imaging, and image editing techniques. Aesthetics and concepts of digital photography will be analyzed in both fine art and commercial applications. Students must provide their own digital cameras.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Art 149, 195 and 249 may be taken a maximum of four enrollments.

## INTRODUCTION TO MOBILE APPLICATION DEVELOPMENT AND DESIGN

### ART159: 3.0 Units

Introduction to the development of mobile applications for smart phones and similar devices. Emphasis will be placed on graphic design standards as they apply to interactive media. Industry-standard multi-platform software will be employed to develop applications that will run on a variety of platforms with an emphasis on iOS.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Art 129, 159, 229 and 259 may be taken a maximum of four enrollments.

## INTRODUCTION TO DIGITAL MEDIA ARTS

### ART195: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Art 149, 195 and 249 may be taken a maximum of four enrollments.

## GRAPHIC DESIGN II

### ART221: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ART122** Graphic Design I

#### Limitations on Enrollment:

- Course Family A combination of Art 122 and 221 may be taken a maximum of four enrollments.

## INTERMEDIATE ILLUSTRATION

### ART228: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ART128** Introduction to Illustration

#### Limitations on Enrollment:

- Course Family A combination of Art 128 and 228 may be taken a maximum of four enrollments.



## MULTIMEDIA APPLICATIONS FOR THE WEB

### ART229: 3.0 Units

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.

#### Requisites:

#### Prerequisite

**ART129** Introduction to Web Design

#### Limitations on Enrollment:

- Course Family A combination of Art 129, 159, 229 and 259 may be taken a maximum of four enrollments.

## INTERMEDIATE DRAWING

### ART230: 3.0 Units

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.

#### Requisites:

#### Prerequisite

**ART130** Introduction to Drawing

#### Limitations on Enrollment:

- Course Family A combination of Art 130, 230, 233 and 250 may be taken a maximum of four enrollments

## INTERMEDIATE LIFE DRAWING

### ART231: 3.0 Units

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.

#### Requisites:

#### Prerequisite

**ART131** Beginning Life Drawing

#### Limitations on Enrollment:

- Course Family A combination of Art 131, 231 and 232 may be taken a maximum of four enrollments.

## ADVANCED LIFE DRAWING

### ART232: 3.0 Units

Intensive study of the figure with further development of drawing skills, composition, technique and media utilizing the live model. Projects vary each semester.

#### Requisites:

#### Prerequisite

**ART231** Intermediate Life Drawing

#### Limitations on Enrollment:

- Course Family A combination of Art 131, 231 and 232 may be taken a maximum of four enrollments.

## ADVANCED DRAWING

### ART233: 3.0 Units

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.

#### Requisites:

#### Prerequisite

**ART230** Intermediate Drawing

#### Limitations on Enrollment:

- Course Family A combination of Art 130, 230, 233 and 250 may be taken a maximum of four enrollments.

## INTERMEDIATE PAINTING

### ART241: 3.0 Units

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.

#### Requisites:

#### Prerequisite

**ART141** Beginning Painting

#### Limitations on Enrollment:

- Course Family A combination of Art 141, 241 and 242 may be taken a maximum of four enrollments.

## ADVANCED PAINTING

### ART242: 3.0 Units

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.

#### Requisites:

#### Prerequisite

**ART241** Intermediate Painting

#### Limitations on Enrollment:

- Course Family A combination of Art 141, 241 and 242 may be taken a maximum of four enrollments.

## INTERMEDIATE DIGITAL PHOTOGRAPHY

### ART249: 3.0 Units

An intermediate course in digital photography and imaging that allows students to take the technical information received from Art 149 and apply it to a variety of concepts. This course focuses on projects that explore photographic subjects including portrait, landscape, still life, and commercial photography. Students must provide their own digital camera with manual controls.

#### Requisites:

#### Prerequisite

**ART149** Introduction to Digital Photography

#### Limitations on Enrollment:

- Course Family A combination of Art 149, 195 and 249 may be taken a maximum of four enrollments.





## ADVANCED STUDIO CONCEPTS

### ART250: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Art 130, 230, 233 and 250 may be taken a maximum of four enrollments.

## ADVANCED MOBILE APPLICATION DEVELOPMENT AND DESIGN

### ART259: 3.0 Units

Advanced topics in the graphic design of mobile applications viewed on smart phones and similar devices. Industry standard multi platform software will be employed to develop applications that will run on a variety of platforms with a focus on iPads and iPhones. Students will work in development teams to map and storyboard advanced application designs.

#### Requisites:

#### Prerequisite

**ART159** Introduction to Mobile Application Development and Design

#### Limitations on Enrollment:

- Course Family A combination of Art 129, 159, 229 and 259 may be taken a maximum of four enrollments.

# American Sign Language

## AMERICAN SIGN LANGUAGE I

### ASLI10: 4.0 Units

This entry-level course is designed to introduce students to American Sign Language (ASL) and fingerspelling as it is used within American Deaf culture. Instruction includes preparation for visual/gestural communication followed by intensive work on comprehension through receptive language skills, development of basic conversational skills, modeling of grammatical structures, and general information about American Deaf culture. American Sign Language I 10 is equivalent to two years of high school ASL. Students are required to attend at least one off-campus event.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 6: Language Other than English

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## AMERICAN SIGN LANGUAGE II

### ASLI11: 4.0 Units

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.

#### Requisites:

#### Prerequisite

**ASLI10** American Sign Language I

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities
- Area 6: Language Other than English

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## INTRODUCTION TO INTERPRETING FOR THE DEAF

### ASLI13: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC



## INTRODUCTION TO DEAF STUDIES

### ASL116: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## AMERICAN SIGN LANGUAGE III

### ASL210: 4.0 Units

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.

#### Requisites:

#### Prerequisite

ASL111 American Sign Language II

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities
- Area 6: Language Other than English

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

# Astronomy

## ASTRONOMY LABORATORY

### ASTRI00L: 1.0 Units

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)

#### Requisites:

#### Prerequisite

ASTRI02 Introduction to Stars and Galaxies or concurrent enrollment

#### OR

#### Prerequisite

ASTRI03 Introduction to the Solar System or concurrent enrollment

#### OR

#### Prerequisite

ASTRI04 Introduction to Cosmology or concurrent enrollment

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5C: Laboratory Activities

## INTRODUCTION TO STARS AND GALAXIES

### ASTRI02: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

##### Local - Plan D

- Area E1 - Physical Sciences



## INTRODUCTION TO THE SOLAR SYSTEM

### ASTRI03: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area BI: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

##### Local - Plan D

- Area EI - Physical Sciences

## INTRODUCTION TO COSMOLOGY

### ASTRI04: 3.0 Units

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)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area BI: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area EI - Physical Sciences

# Apprenticeship: Surveying

## LABOR RELATIONS

### ASV030: 0.5 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## SUPPLEMENTAL MATH FOR CHAINMAN APPRENTICES

### ASV031: 1.0 Units

Review of basic mathematics, algebra and geometry related to surveying; review angles, azimuths, and bearings; stationing and offsets.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## STANDARD FIRST AID

### ASV040: 0.1 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CHAINMAN APPRENTICE I

### ASVI01: 5.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CHAINMAN APPRENTICE 2

### ASVI02: 5.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CHAINMAN APPRENTICE 3

### ASVI03: 5.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CHAINMAN APPRENTICE 4

### ASVI04: 5.0 Units

Provides the required related and supplemental instruction for apprentice surveyors in coordinate geometry; horizontal and vertical curves; traverse surveys. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice



## CHAINMAN APPRENTICE 5

### ASVI05: 5.0 Units

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; staking procedures; heavy construction surveys; ALTA surveys; total stations; public relations; scope of profession and the Chief of Party program. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLANE SURVEYING AND COORDINATE GEOMETRY

### ASVI21: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ADVANCED COORDINATE GEOMETRY

### ASVI22: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## LAPTOP SURVEYING/AERIAL PHOTOGRAMMETRY

### ASVI23: 3.0 Units

Advanced field surveying methods and principles involving laptop surveying, photogrammetry, and topographic surveying. Open Entry/Open Exit.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PLAN READING AND SUBDIVISION SURVEYING

### ASVI24: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## MAJOR PROJECT PLANS AND SURVEY LAYOUT

### ASVI25: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## CONTROL AND GEODETIC SURVEYING

### ASVI26: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## U.S. PUBLIC LAND SURVEYS

### ASVI27: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## PROPERTY SURVEYS AND LEGAL DESCRIPTIONS

### ASVI28: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Must be a state-indentured apprentice

## ACCOUNTING, AS

A.S. Degree Major

### Control Number:

11858

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 Courses & Requirements**

Accounting, AS (Total 20)

**Complete the following number of credits: 20**

**Complete all of the following (Total 14)**

<b>ACCT101</b>	Financial Accounting	4
ACCT102	Managerial Accounting	4
CIS101	Introduction to Microsoft Office	3
CIS106	Microsoft Excel	3

**Complete at least one of the following rules (Total 3-6)**

<b>ACCT204</b>	Managerial Cost Accounting	3
ACCT205	Intermediate Accounting I	3

**Complete at least one of the following rules (Total 3-6)**

<b>BUS222</b>	Business Writing	3
MGMT122	Business Communications	3

**ACCOUNTING, CA**

Certificate of Achievement

**Control Number:**

21631

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 Courses & Requirements**

Accounting, CA (Total 20)

**Complete the following number of credits: 20**

**Complete all of the following (Total 14)**

<b>ACCT101</b>	Financial Accounting	4
ACCT102	Managerial Accounting	4
CIS101	Introduction to Microsoft Office	3
CIS106	Microsoft Excel	3

**Complete at least one of the following rules (Total 3-6)**

<b>ACCT204</b>	Managerial Cost Accounting	3
ACCT205	Intermediate Accounting I	3

**Complete at least one of the following rules (Total 3-6)**

<b>BUS222</b>	Business Writing	3
MGMT122	Business Communications	3

**ADULT BASIC EDUCATION, COM**

Certificate of Competency

**Control Number:**

33421

The Certificate of Competency in Adult Basic Education is 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 Courses & Requirements**

Adult Basic Education, COM (Total 216)

**Complete all of the following**

Certificate requirements: 216 hours (credits are in hours) (Total 144)

**Complete the following number of hours: 144**

<b>ABE024</b>	Adult Basic Education Writing	72
ABE025	Adult Basic Education Mathematics	72

**Select one (1) course from the following: (Total 72)**

**Complete the following number of hours: 72**

<b>ABE023</b>	Adult Basic Education Reading	72
ABE026	Adult Basic Education Spelling	72

**ADULT BASIC EDUCATION/ADULT SECONDARY EDUCATION MATHEMATICS, COM**

Certificate of Competency

**Control Number:**

33422

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 Courses & Requirements**

Adult Basic Education/Adult Secondary Education Mathematics, COM (Total 144)

**Complete the following number of credits: 144**

<b>ABE025</b>	Adult Basic Education Mathematics	72
HSMT159	Math Fundamentals 2	72

**ADULT BASIC EDUCATION/ADULT SECONDARY EDUCATION MATHEMATICS, COM**

Certificate of Competency

**Control Number:**

33422

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 Courses & Requirements**

Adult Basic Education/Adult Secondary Education Mathematics, COM (Total 173)

**Complete the following number of hours: 173**

<b>ABE025</b>	Adult Basic Education Mathematics	72
HSMT159	Math Fundamentals 2	72
HSS500	Orientation to High School and Online Learning	29

**ADULT BASIC EDUCATION/ADULT SECONDARY EDUCATION READING, COM**

Certificate of Competency

**Control Number:**

33420

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 Courses & Requirements**

Adult Basic Education/Adult Secondary Education Reading, COM (Total 144)

**Complete the following number of credits: 144**

<b>HSRDG093</b>	Building Reading Skills 1	72
HSRDG094	Building Reading Skills 2	72



## ADULT BASIC EDUCATION/ADULT SECONDARY EDUCATION WRITING, COM

Certificate of Competency

**Control Number:**

33555

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 Courses & Requirements

Adult Basic Education/Adult Secondary Education Writing, COM (Total 144)

**Complete the following number of credits: 144**

<b>HSENG066</b>	English Fundamentals 2	72
HSENG083	Composition 1	72

## ADULT HIGH SCHOOL DIPLOMA, DIPL

Adult High School Diploma

**Control Number:**

31601

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 Courses & Requirements

Adult High School Diploma, DIPL (Total 2304)

**Complete all of the following**

#### ENGLISH

Required courses (credits are in hours). Forty (40) high school credits required (576 hours). Must include one (1) of the following composition courses: (Total 72)

**Complete the following number of credits: 72**

<b>HSENG083</b>	Composition 1	72
HSENG084	Composition 2	72
HSENG085	Composition 3	72

#### ENGLISH

Electives (credits are in hours). Select seven (7) of the following English electives (504 hours). [A maximum of 10 high school credits (144 hours) from High School Subjects Reading 089, 090 (Total 504)]

**Complete the following number of credits: 504**

<b>HSENG020</b>	Literature Brought to Life	72
HSENG052	English Language Arts 1	72
HSENG053	English Language Arts 2	72
HSENG066	English Fundamentals 2	72
HSENG067	English Fundamentals 3	72
HSENG068	English Fundamentals 4	72
HSENG070	The Short Story	72
HSENG072	Poetry	72
HSENG076	The Novel	72
HSENG098	Building Vocabulary 3	72
HSRDG089	Reading Proficiency Development	72
HSRDG090	Reading Improvement	72
<b>HSRDG093</b>	Building Reading Skills 1	72
HSRDG094	Building Reading Skills 2	72

#### NATURAL SCIENCES

Required courses (credits are in hours). Twenty (20) high school credits are required (288 hours). Must include one (1) of the following biological science course: (Total 288)

**Complete the following number of credits: 288**

<b>HSSCI168</b>	Life Science 1	72
HSSCI169	Life Science 2	72
HSSCI193	Basic Science 2 7	2

#### NATURAL SCIENCES

Must include one (1) one of the following physical science courses: (Total 0)

**Complete the following number of credits: 0**

<b>HSSCI190</b>	Physical Science 1	72
HSSCI191	Physical Science 2	72
HSSCI192	Basic Science 1	72

#### SOCIAL AND BEHAVIORAL SCIENCES

Required courses (credits are in hours). Thirty (30) high school credits required (432 hours). Must include all of the following six (6) courses: (Total 432)

**Complete the following number of credits: 432**

<b>HSSOC215</b>	Introduction to Economics	72
HSSOC218	U.S. History 1: Colonization to Industrialization	72
HSSOC219	U.S. History 2: The Shaping of Modern America	72
HSSOC222	Government 1: United States Federal Government and Politics	72
HSSOC229	World History, Geography, and Culture 1	72
HSSOC230	World History, Geography, and Culture 2	72

#### HUMANITIES

Required courses (credits are in hours). Ten (10) high school credits required (144 hours).

**Select two (2) of the following courses: (Total 144)**

**Complete the following number of credits: 144**

<b>HSART020</b>	Literature Brought to Life	72
HSART070	Short Stories	72
HSART828	Understanding America Through Art	72
HSART837	The Film As Art	72

#### MATHEMATICS

Required courses (credits are in hours). Twenty (20) high school credits are required (288 hours).

**Select four (4) of the following courses: (Total 288)**

**Complete the following number of credits: 288**

<b>HSMTH156</b>	Essential Mathematics 1	72
HSMTH157	Essential Mathematics 2	72
HSMTH159	Math Fundamentals 2	72
HSMTH163	Algebra 1A	72
HSMTH164	Algebra 1B	72
HSMTH167	Geometry A	72
HSMTH168	Geometry B	72

#### ELECTIVES

(credits are in hours). Forty (40) high school credits are required (576 hours). Select elective courses from the following: (Total 576)

**Complete the following number of credits: 576**

<b>ABE009</b>	Academic Skills	72-288
ABE023	Adult Basic Education Reading	72
ABE024	Adult Basic Education Writing	72
<b>ABE025</b>	Adult Basic Education Mathematics	72
ABE026	Adult Basic Education Spelling	72
HSOTH050	Basics of Leadership Part 1	36
HSOTH202	Basics of Leadership Part 2	36
HSS338	Workforce Preparation	15
HSS770	Orientation to College	8
VBUS118	Introduction to Windows	60
VBUS260	Introduction to Word Processing using MS Word	60



## ADULT SECONDARY EDUCATION MATHEMATICS, COM

Certificate of Competency

**Control Number:**  
36584

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 Courses & Requirements

Adult Secondary Education Mathematics, COM (Total 144)

**Complete the following number of credits:** **144**

<b>HSMTH158</b> Math Fundamentals 1	72
<b>HSMTH159</b> Math Fundamentals 2	72

## ADULT SECONDARY EDUCATION VISUAL AND PERFORMING ARTS, COM

Certificate of Competency

**Control Number:**  
42815

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 Courses & Requirements

Adult Secondary Education Visual and Performing Arts, COM (Total 216)

**Complete all of the following**

<b>HSART845</b> Drawing and Painting 1	72
<b>HSART846</b> Drawing and Painting 2	72
<b>MUSCEI26</b> Chorale Music	72

## ADULT SECONDARY EDUCATION, COLLEGE PREPARATION ALGEBRA, COM

Certificate of Competency

**Control Number:**  
36209

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 Courses & Requirements

Adult Secondary Education, College Preparation Algebra, COM (Total 174)

**Complete the following number of credits:** **174**

<b>HSMTH103</b> Math Study Skills Support 1A	15
<b>HSMTH104</b> Math Study Skills Support 1B	15
<b>HSMTH176</b> College Preparation Algebra 1A	72
<b>HSMTH177</b> College Preparation Algebra 1B	72

## ADULT SECONDARY EDUCATION, COLLEGE PREPARATORY COMPOSITION, COM

Certificate of Competency

**Control Number:**  
36211

The Certificate of Competency in College Preparatory Composition is designed to prepare students for college level writing.

### Program Courses & Requirements

Adult Secondary Education, College Preparatory Composition, COM (Total 144)

**Complete the following number of credits:** **144**

<b>HSENG083</b> Composition 1	72
<b>HSENG086</b> College Preparatory Composition	72

## ADVERTISING, CERT

Certificate of Proficiency

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 Courses & Requirements

Advertising, CERT (Total 12)

**Complete the following number of credits:** **12**

<b>MKTG112</b> Principles of Advertising	3
<b>MKTG113</b> Principles of Marketing	3
<b>MKTG115</b> Consumer Behavior	3
<b>MKTG135</b> Web Marketing and Promotion	3

## AFTER SCHOOL PROGRAM ASSISTANT, CA

Certificate of Achievement

**Control Number:**  
38157

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 Courses & Requirements

After School Program Assistant, CA (Total 9-10)

**Complete the following number of credits:** **9-10**

**Complete all of the following (Total 7)**

<b>CDEVI20A</b> Development of the School-Age Child (DS5)	3
<b>CDEVI20B</b> School-Age Child Care and Recreation Activities (DS5)	3
<b>EDUC113</b> Educational Strategies for Tutors and Instructional Aides	1

**Complete at least one of the following rules (Total 2-5)**

<b>CNSLI18</b> Self Exploration and the Teaching Profession	2
<b>EDUC110</b> The Teaching Experience: Exploration	3

## AFTER SCHOOL PROGRAM ASSOCIATE TEACHER, CA

Certificate of Achievement

**Control Number:**  
37911

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 Courses & Requirements

**After School Program Associate Teacher, CA (Total 15-16)**

**Complete the following number of credits:** **15-16**

**Complete at least one of the following rules (Total 2-5)**

<b>CNSLI18</b> Self Exploration and the Teaching Profession	2
<b>EDUC110</b> The Teaching Experience: Exploration	3

**Complete at least one of the following rules (Total 3-6)**

<b>CDEVI07</b> Child Growth and Development (DS1)	3
<b>PSYC157</b> Introduction to Child Psychology	3



**Complete all of the following (Total 10)**

<b>COMM110</b>	Public Speaking	3
EDUC211	Classroom Practices for Diverse Learners	3
EDUC113	Educational Strategies for Tutors and Instructional Aides	1
CDEV120B	School-Age Child Care and Recreation Activities (DS5)	3

**AMERICAN COLLEGE ENGLISH/ESL, CA**

Certificate of Achievement

**Control Number:**

37478

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 Courses & Requirements**

American College English/ESL, CA (Total 16.5)

**Complete all of the following**

**Certificate Requirements: (Total 4.5)**  
**Complete the following number of credits: 4.5**

<b>ACE106</b>	Academic Reading and Writing 2	4.5
ACE116	Introduction to Academic Composition	4.5

**Select nine (9) units from the following (may not select a course that is used to satisfy the unit requirement from the list above) (Total 9)**

**Complete the following number of credits: 9**

<b>ACE095</b>	Academic Listening and Speaking 2	2
ACE116	Introduction to Academic Composition	4.5
COMM100	Introduction to Interpersonal Communication	3
COMM100H	Honors Introduction to Interpersonal Communication	3
READ101	Introduction to Academic Reading	3
READ128	Expanding ESL Reading Skills	1
READ129	Refining ESL Reading Skills	1

**Select (3) units from the following (may not select a course that is used to satisfy the unit requirement from the list above) (Total 3)**

**Complete the following number of credits: 3**

<b>CNSL101</b>	Educational, Personal, Cultural, and Career Exploration	3
COMM100	Introduction to Interpersonal Communication	3
COMM100H	Honors Introduction to Interpersonal Communication	3
COMM120	Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3
READ101	Introduction to Academic Reading	3

**AMERICAN SIGN LANGUAGE, CA**

Certificate of Achievement

**Control Number:**

11905

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 Courses & Requirements**

American Sign Language, CA (Total 24)

**Complete all of the following**

**Certificate requirements: (Total 21)**

**Complete the following number of credits: 21**

<b>ASL110</b>	American Sign Language I	4
ASL111	American Sign Language II	4
ASL113	Introduction to Interpreting for the Deaf	3
ASL114	Classifiers, Fingerspelling, and Numbering	3
ASL116	Introduction to Deaf Studies	3
ASL210	American Sign Language III	4

**Select one (1) course from the following: (Total 3)**

**Complete the following number of credits: 3**

**Complete all of the following (Total 15)**

<b>CDEV107</b>	Child Growth and Development (DS1)	3
CDEV205	Introduction to Children with Special Needs	3
EDUC209	Roles and Responsibilities of the Special Education Paraprofessional	3
PSYC157	Introduction to Child Psychology	3
THEA110	Acting Fundamentals	3

**Complete at least one of the following rules (Total 3-6)**

<b>COMM100</b>	Introduction to Interpersonal Communication	3
COMM100H	Honors Introduction to Interpersonal Communication	3

**Complete at least one of the following rules (Total 3-6)**

<b>COMM120</b>	Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3





## ANTHROPOLOGY, AA

A.A. Degree Major

### Control Number:

11939

The Associate of Arts degree in Anthropology is designed as a program of basic courses for students considering professional careers as archeologists, ethnographers, linguists, physical anthropologists; for those preparing to become social science teachers in elementary or secondary schools; for such diverse fields as psychology, medicine, law, political science, international relations, economics, or history; and for individuals who plan public service careers in social work, health and welfare programs, and foreign service. Students should consult with faculty members for advice in selecting course offerings best suited to the individual's particular career objectives. The associate of arts degree prepares the student to move into a curriculum at a four-year institution leading to a baccalaureate degree in these careers.

### Program Courses & Requirements

Anthropology, AA (Total 18)

#### Complete all of the following

#### Major requirements: (Total 12)

Complete the following number of credits: **12**

#### (TOTAL 3-6)

#### Complete at least one of the following rules

<b>ANTH100</b>	Introduction to Cultural Anthropology	3	ANTH100H
	Honors Introduction to Cultural Anthropology	3	

#### (TOTAL 9)

#### Complete all of the following

<b>ANTH101</b>	Introduction to Physical Anthropology	3	ANTH103
	Introduction to Archaeology	3	ANTH104
	Language and Culture	3	

#### List A - If emphasis is Cultural Anthropology, select courses from List A. Select six (6) units from the following: (Total 6)

Complete the following number of credits: **6**

<b>ECON102</b>	Principles/Macro	3	
ETHN101	Introduction to Ethnic Studies	3	
GEOG100	World Regional Geography	3	
GEOG100H	Honors World Regional Geography	3	
GEOG102	Cultural Geography	3	
GEOG102H	Honors Cultural Geography	3	
GSWS101	Introduction to Women's Studies	3	
HIST101	World Civilizations to the 16th Century	3	
HIST101H	Honors World Civilizations to the 16th Century	3	
PSYC100	Introduction to Psychology	3	
PSYC100H	Honors Introduction to Psychology	3	
SOC100	Introduction to Sociology	3	
SOC100H	Honors Introduction to Sociology	3	

#### List B - If emphasis is Physical Anthropology, select courses from List B. Select six (6) units from the following: (Total 0)

Complete the following number of credits: **0**

<b>ANTH101L</b>	Physical Anthropology Laboratory	1	
BIOL109	Fundamentals of Biology	3	
BIOL109H	Honors Fundamentals of Biology	3	
BIOL109L	Fundamentals of Biology Laboratory	1	
BIOL109HL	Honors Fundamentals of Biology Laboratory	1	
BIOL149	Human Anatomy and Physiology	4	
<b>BIOL211</b>	Cellular and Molecular Biology	5	
ERTH100	Physical Geology	3	
ERTH100L	Physical Geology Laboratory	1	
ERTH111	Historical Geology	4	
GEOG101	Physical Geography	3	
GEOG101H	Honors Physical Geography	3	
GEOG101L	Physical Geography Laboratory	1	

## ANTHROPOLOGY, AA-T

A.A. Degree for Transfer

### Control Number:

32043

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 Courses & Requirements

Anthropology, AA-T (Total 18-19)

#### Complete all of the following

#### Major requirements: (Total 9)

Complete the following number of credits: **9**

#### (TOTAL 3-6)

#### Complete at least one of the following rules

<b>ANTH100</b>	Introduction to Cultural Anthropology	3	ANTH100H
	Honors Introduction to Cultural Anthropology	3	

#### (TOTAL 6)

#### Complete all of the following

<b>ANTH101</b>	Introduction to Physical Anthropology	3	ANTH103
	Introduction to Archaeology	3	

#### Select one (1) course from the following (List A): (Total 3)

Complete the following number of credits: **3**

<b>ANTH104</b>	Language and Culture	3	
ERTH100	Physical Geology	3	
GEOG101	Physical Geography	3	
GOG101H	Honors Physical Geography	3	
GEOG102	Cultural Geography	3	
GEOG102H	Honors Cultural Geography	3	

#### Select one (1) course from the following (List B): An additional course from List A (may not be used to satisfy the requirements in List A) (Total 3-4)

Complete the following number of credits: **3-4**

<b>GEOG155</b>	Introduction to Geographic Information Systems	4	MATH219
	Statistics and Probability	3	MATH219H
	Honors Statistics and Probability	3	MATH220
	Statistics and Probability with Integrated Review	4	

#### Select one (1) course from the following (List C):

An additional course from List A or B (may not be used to satisfy the requirements in List A or B) (Total 3)

Complete the following number of credits: **3**

<b>COMM225</b>	Gender Communication	3	
<b>COMM225H</b>	Honors Gender Communication	3	
<b>ENGL271</b>	Survey of World Literature I	3	
ENGL272	Survey of World Literature II	3	
ETHN101	Introduction to Ethnic Studies	3	
ETHN130	Introduction to Chicano Studies	3	
GEOG100	World Regional Geography	3	
GEOG100H	Honors World Regional Geography	3	
GSWS101	Introduction to Women's Studies	3	
HIST101	World Civilizations to the 16th Century	3	
HIST101H	Honors World Civilizations to the 16th Century	3	
HIST102	World Civilizations Since the 16th Century	3	
HIST102H	Honors World Civilizations Since the 16th Century	3	



HIST124	Mexican-American History in the United States	3
MUS102	World Music	3
PHIL112	World Religions	3
PSYC170	Multicultural Psychology	3
SOC100	Introduction to Sociology	3
SOC100H	Honors Introduction to Sociology	3

## APPLIED ROBOTICS AND EMBEDDED PROGRAMMING, CERT

Certificate of Proficiency

The Certificate of Proficiency in Applied Robotics and Embedded Programming will lead to entry-level employment in computer science, engineering, and other areas where high aptitude in computer programming is recognized. The program prepares students for careers as robotics technicians, engineering technicians, and junior programmers.

### Program Courses & Requirements

Applied Robotics and Embedded Programming, CERT (Total 9)

**Complete the following number of credits:** **9**

<b>CMPR112</b>	Java Programming	3
CMPR157	Introduction to Robotics	3
CMPR213	C# Programming	3

## APPRENTICESHIP CARPENTRY, ACOUSTICAL INSTALLER, AS

A.S. Degree Major

**Control Number:**

31107

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 Courses & Requirements

Apprenticeship Carpentry, Acoustical Installer, AS (Total 25.5-26)

**Complete all of the following**

**Major requirements: (Total 19.5)**

**Complete the following number of credits:** **19.5**

<b>ACA061A</b>	Acoustical Ceilings	1.5
<b>ACA062</b>	Standard Acoustical Grids	1.5
ACA063	Suspended Ceilings	1.5
ACA064	Acoustical Soffits	1.5
ACA066	Concealed/Glue-Up/Staple-Up Systems	1.5
ACA067	Designer and Specialty Trims	1.5
ACA068	Metal Pan and Security Systems	1.5
ACA071A	Orientation	2
ACA071B	Safety and Health Certifications	2
ACA071C	Tool/Equipment Applications	1.5
ACA074A	Print Reading	2
ACA079A	Drywall/Acoustical Ceilings	1.5

**Select four (4) courses from the following: (Total 6-6.5)**

**Complete the following number of credits:** **6-6.5**

<b>ACA061B</b>	Advanced Acoustical Ceiling Layout	1.5
ACA061C	Advanced Acoustical Ceiling Installation	1.5
ACA065	Prefab/Sound Panels	1.5
ACA072A	Basic Metal Framing	1.5
ACA073C	Framing Curves and Arches	1.5
ACA074B	Advanced Print Reading	2
ACA083	Door/Door Frames	1.5

## APPRENTICESHIP CARPENTRY, ACOUSTICAL INSTALLER, CA

Certificate of Achievement

**Control Number:**

31109

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 Courses & Requirements

Apprenticeship Carpentry, Acoustical Installer, CA (Total 25.5-26)

**Complete all of the following**

**Certificate requirements: (Total 19.5)**

**Complete the following number of credits:** **19.5**

<b>ACA061A</b>	Acoustical Ceilings	1.5
ACA062	Standard Acoustical Grids	1.5
ACA063	Suspended Ceilings	1.5
ACA064	Acoustical Soffits	1.5
ACA066	Concealed/Glue-Up/Staple-Up Systems	1.5
ACA067	Designer and Specialty Trims	1.5
ACA068	Metal Pan and Security Systems	1.5
ACA071A	Orientation	2
ACA071B	Safety and Health Certifications	2
ACA071C	Tool/Equipment Applications	1.5
ACA074A	Print Reading	2
ACA079A	Drywall/Acoustical Ceilings	1.5

**Select four (4) courses from the following: (Total 6-6.5)**

**Complete the following number of credits:** **6-6.5**

<b>ACA061B</b>	Advanced Acoustical Ceiling Layout	1.5
ACA061C	Advanced Acoustical Ceiling Installation	1.5
ACA065	Prefab/Sound Panels	1.5
ACA072A	Basic Metal Framing	1.5
ACA073C	Framing Curves and Arches	1.5
ACA074B	Advanced Print Reading	2
ACA083	Door/Door Frames	1.5

## APPRENTICESHIP CARPENTRY, CONCRETE, AS

A.S. Degree Major

**Control Number:**

13235

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 Courses & Requirements

Apprenticeship Carpentry, Concrete, AS (Total 25.5-26.5)

**Complete all of the following**

**Major requirements: (Total 19.5)**

**Complete the following number of credits:** **19.5**

<b>ACA004C</b>	Print Reading	2
ACA021A	Orientation	2
ACA021B	Safety and Health Certifications	2



ACA021E	Tool/Equipment Applications	1.5
ACA025A	Foundations and Flatwork	1.5
ACA026A	Tilt-Up Panel Construction	1.5
ACA026B	Wall Forming	1.5
ACA026C	Gang Forms/Columns	1.5
ACA026D	Abutments	1.5
ACA027C	Beam and Deck Forming	1.5
ACA027D	Stairs and Ramp Forming	1.5
ACA028A	Bridge Construction	1.5

Select four (4) courses from the following: (Total 6-7)

Complete the following number of credits: **6-7**

<b>ACA021C</b>	Basic Wall Framing	1.5
ACA022A	Commercial Floor Framing	1.5
ACA023B	Basic Roof Framing	1.5
ACA024A	Basic Commercial Framing	1.5
ACA024D	Transit Level/Laser	2
ACA025D	Advanced Print Reading	2
ACA028E	Bridge Falsework	1.5
ACA029A	Rigging	1.5
ACA029C	Solar Installer Level I	1.5
ACA095	Water Treatment Facilities	1.5

### APPRENTICESHIP CARPENTRY, CONCRETE, CA

Certificate of Achievement

**Control Number:**

21657

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 Courses & Requirements

Apprenticeship Carpentry, Concrete, CA (Total 25.5-26.5)

Complete all of the following

Certificate requirements: (Total 19.5)

Complete the following number of credits: **19.5**

<b>ACA004C</b>	Print Reading	2
ACA021A	Orientation	2
ACA021B	Safety and Health Certifications	2
ACA021E	Tool/Equipment Applications	1.5
ACA025A	Foundations and Flatwork	1.5
ACA026A	Tilt-Up Panel Construction	1.5
ACA026B	Wall Forming	1.5
ACA026C	Gang Forms/Columns	1.5
ACA026D	Abutments	1.5
ACA027C	Beam and Deck Forming	1.5
ACA027D	Stairs and Ramp Forming	1.5
ACA028A	Bridge Construction	1.5

Select four (4) courses from the following: (Total 6-7)

Complete the following number of credits: **6-7**

<b>ACA021C</b>	Basic Wall Framing	1.5
ACA022A	Commercial Floor Framing	1.5
ACA023B	Basic Roof Framing	1.5
ACA024A	Basic Commercial Framing	1.5
ACA024D	Transit Level/Laser	2

ACA025D	Advanced Print Reading	2
ACA028E	Bridge Falsework	1.5
ACA029A	Rigging	1.5
ACA029C	Solar Installer Level I	1.5
ACA095	Water Treatment Facilities	1.5

### APPRENTICESHIP CARPENTRY, DRYWALL FINISHER, AS

A.S. Degree Major

**Control Number:**

13234

The Associate of Science degree in Apprenticeship Carpentry, Drywall Finisher is designed to provide related and supplemental instruction including the technical skills required in the trade. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

#### Program Courses & Requirements

Apprenticeship Carpentry, Drywall Finisher, AS (Total 24)

Complete the following number of credits: **24**

<b>ACA071A</b>	Orientation	2
ACA071B	Safety and Health Certifications	2
ACA072A	Basic Metal Framing	1.5
ACA074A	Print Reading	2
ACA076A	Basic Hand Finishing	1.5
ACA076B	Automatic Finishing Tools	1.5
ACA077A	Drywall Installation/Finish Trims	1.5
ACA077B	Advanced Hand Finishing	1.5
ACA077C	Advanced Automatic Finishing Tools	1.5
ACA078B	Advanced Metal Framing	1.5
ACA078C	Wet Wall Finishes	1.5
ACA078D	Ceiling and Soffit Finishing	1.5
ACA079A	Drywall and Acoustical Ceilings	1.5
ACA082B	Firestopping Procedures	1.5
ACA082C	Decorative Trims and Textures	1.5

### APPRENTICESHIP CARPENTRY, DRYWALL FINISHER, CA

Certificate of Achievement

**Control Number:**

21663

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 Courses & Requirements

Apprenticeship Carpentry, Drywall Finisher, CA (Total 24)

Complete the following number of credits: **24**

<b>ACA071A</b>	Orientation	2
ACA071B	Safety and Health Certifications	2
ACA072A	Basic Metal Framing	1.5
ACA074A	Print Reading	2
ACA076A	Basic Hand Finishing	1.5
ACA076B	Automatic Finishing Tools	1.5
ACA077A	Drywall Installation/Finish Trims	1.5
ACA077B	Advanced Hand Finishing	1.5
<b>ACA077C</b>	Advanced Automatic Finishing Tools	1.5
ACA078B	Advanced Metal Framing	1.5
ACA078C	Wet Wall Finishes	1.5
ACA078D	Ceiling and Soffit Finishing	1.5



ACA079A	Drywall and Acoustical Ceilings	1.5
ACA082B	Firestopping Procedures	1.5
ACA082C	Decorative Trims and Textures	1.5

## APPRENTICESHIP CARPENTRY, DRYWALL/LATHER, AS

A.S. Degree Major

### Control Number:

11988

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 Courses & Requirements

Apprenticeship Carpentry, Drywall/Lather, AS (Total 26)

#### Complete all of the following

##### Major requirements: (Total 20)

Complete the following number of credits: **20**

<b>ACA071A</b>	Orientation	2
ACA071B	Safety and Health Certifications	2
<b>ACA071C</b>	Tool/Equipment Applications	1.5
ACA072A	Basic Metal Framing	1.5
ACA072B	Basic Lathing	1.5
ACA073A	Framing Ceilings and Soffits	1.5
ACA073B	Framing Suspended Ceilings	1.5
ACA073C	Framing Curves and Arches	1.5
ACA074A	Print Reading	2
ACA074B	Advanced Print Reading	2
ACA075A	Light Gage Welding AWS-A	1.5
ACA083	Door and Door Frames	1.5

##### Select six (6) units from the following: (Total 6)

Complete the following number of credits: **6**

<b>ACA072C</b>	Advanced Lathing	1.5
ACA074C	Air, Moisture and Thermal Barrier	1.5
ACA075B	Light Gage Welding LAC	1.5
ACA075C	Light Gage Welding AWS-B	1.5
ACA076A	Basic Hand Finishing	1.5
ACA076B	Automatic Finishing Tools	1.5
ACA077A	Drywall Installation/Finish Trims	1.5
ACA077B	Advanced Hand Finishing	1.5
ACA077C	Advanced Automatic Finishing Tools	1.5
ACA078B	Advanced Metal Framing	1.5
ACA078C	Wet Wall Finishes	1.5
ACA078D	Ceiling and Soffit Finishing	1.5
ACA079A	Drywall and Acoustical Ceilings	1.5
ACA079C	Drywall Applications	1.5
ACA082B	Firestopping Procedures	1.5
ACA082C	Decorative Trims and Textures	1.5
ACA089	Freeform Lathing	1.5

## APPRENTICESHIP CARPENTRY, DRYWALL/LATHER, CA

Certificate of Achievement

### Control Number:

21664

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 Courses & Requirements

Apprenticeship Carpentry, Drywall/Lather, CA (Total 26)

#### Complete all of the following

##### Certificate requirements: (Total 20)

Complete the following number of credits: **20**

<b>ACA071A</b>	Orientation	2
ACA071B	Safety and Health Certifications	2
ACA071C	Tool/Equipment Applications	1.5
ACA072A	Basic Metal Framing	1.5
ACA072B	Basic Lathing	1.5
ACA073A	Framing Ceilings and Soffits	1.5
ACA073B	Framing Suspended Ceilings	1.5
ACA073C	Framing Curves and Arches	1.5
ACA074A	Print Reading	2
ACA074B	Advanced Print Reading	2
ACA075A	Light Gage Welding AWS-A	1.5
ACA083	Door and Door Frames	1.5

##### Select six (6) units from the following: (Total 6)

Complete the following number of credits: **6**

<b>ACA072C</b>	Advanced Lathing	1.5
ACA074C	Air, Moisture and Thermal Barrier	1.5
ACA075B	Light Gage Welding LAC	1.5
ACA075C	Light Gage Welding AWS-B	1.5
ACA076A	Basic Hand Finishing	1.5
<b>ACA076B</b>	Automatic Finishing Tools	1.5
ACA077A	Drywall Installation/Finish Trims	1.5
ACA077B	Advanced Hand Finishing	1.5
ACA077C	Advanced Automatic Finishing Tools	1.5
ACA078B	Advanced Metal Framing	1.5
ACA078C	Wet Wall Finishes	1.5
ACA078D	Ceiling and Soffit Finishing	1.5
ACA079A	Drywall and Acoustical Ceilings	1.5
ACA079C	Drywall Applications	1.5
ACA082B	Firestopping Procedures	1.5
ACA082C	Decorative Trims and Textures	1.5
ACA089	Freeform Lathing	1.5



## APPRENTICESHIP CARPENTRY, FINISH CARPENTRY, AS

A.S. Degree Major

### Control Number:

13231

The Associate of Science degree in Apprenticeship Carpentry, Finish Carpentry provides the related and supplemental instruction required in the trade. Finish carpenters cut, shape and assemble wood products, including moldings, panels and furniture. They also fabricate store fixtures, which includes the use of metal, plastics, and glass. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

### Program Courses & Requirements

Apprenticeship Carpentry, Finish Carpentry, AS (Total 25)

#### Complete the following number of credits: 25

<b>ACA004C</b>	Print Reading	2
ACA021A	Orientation	2
ACA021B	Safety and Health Certifications	2
ACA021C	Basic Wall Framing	1.5
ACA024D	Transit Level/Laser	2
ACA025D	Advanced Print Reading	2
ACA033A	Cabinet Millwork and Assembly	1.5
ACA033B	Cabinet Installation	1.5
ACA033C	Show Case/Loose Store Fixtures	1.5
ACA033D	Molding and Trims	1.5
ACA034A	Plastic Laminates	1.5
ACA034B	Solid and Stone Surfaces	1.5
ACA034C	Stair Trim	1.5
ACA034D	Doors and Door Hardware	1.5
ACA035C	Exit and Electrical Security Devices	1.5

## APPRENTICESHIP CARPENTRY, FINISH CARPENTRY, CA

Certificate of Achievement

### Control Number:

21658

The Certificate of Achievement in Apprenticeship Carpentry, Finish Carpentry provides the related and supplemental instruction required in the trade. Finish carpenters cut, shape and assemble wood products, including moldings, panels and furniture. They also fabricate store fixtures, which includes the use of metal, plastics, and glass. Successful completion will result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

### Program Courses & Requirements

Apprenticeship Carpentry, Finish Carpentry, CA (Total 25)

#### Complete the following number of credits: 25

<b>ACA004C</b>	Print Reading	2
ACA021A	Orientation	2
ACA021B	Safety and Health Certifications	2
ACA021C	Basic Wall Framing	1.5
ACA024D	Transit Level/Laser	2
<b>ACA025D</b>	Advanced Print Reading	2
ACA033A	Cabinet Millwork and Assembly	1.5
ACA033B	Cabinet Installation	1.5
ACA033C	Show Case/Loose Store Fixtures	1.5
ACA033D	Molding and Trims	1.5
ACA034A	Plastic Laminates	1.5
ACA034B	Solid and Stone Surfaces	1.5
ACA034C	Stair Trim	1.5
ACA034D	Doors and Door Hardware	1.5
ACA035C	Exit and Electrical Security Devices	1.5

## APPRENTICESHIP CARPENTRY, FRAMING, AS

A.S. Degree Major

### Control Number:

13232

The Associate of Science degree in Apprenticeship Carpentry, Framing provides related and supplemental instruction including the technical skills and knowledge required in the trade. Framers work primarily on residential sites installing floor joists, interior and exterior walls, and roof trusses. They may also install exterior doors and windows, cornices, outside wall trim, and roof coverings. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

### Program Courses & Requirements

Apprenticeship Carpentry, Framing, AS (Total 25.5-26.5)

#### Complete all of the following

#### Major requirements: (Total 19.5)

#### Complete the following number of credits: 19.5

<b>ACA004C</b>	Print Reading	2
ACA021A	Orientation	2
ACA021B	Safety and Health Certifications	2
ACA021C	Basic Wall Framing	1.5
ACA021E	Tool/Equipment Applications	1.5
ACA022A	Commercial Floor Framing	1.5
ACA022B	Basic Stairs	1.5
ACA022D	Exterior Finish Details	1.5
ACA023B	Basic Roof Framing	1.5
ACA024A	Basic Commercial Framing	1.5
ACA024B	Advanced Commercial Framing	1.5
ACA025C	Advanced Stairs	1.5

#### Select four (4) courses from the following: (Total 6-7)

#### Complete the following number of credits: 6-7

<b>ACA023C</b>	Advanced Roof Framing	1.5
ACA024C	Panelized Roofing	1.5
ACA024D	Transit Level/Laser	2
ACA025D	Advanced Print Reading	2
ACA026B	Wall Forming	1.5
ACA072A	Basic Metal Framing	1.5



## APPRENTICESHIP CARPENTRY, FRAMING, CA

Certificate of Achievement

### Control Number:

21659

The Certificate of Achievement in Apprenticeship Carpentry, Framing provides related and supplemental instruction including the technical skills and knowledge required in the trade. Framers work primarily on residential sites installing floor joists, interior and exterior walls, and roof trusses. They may also install exterior doors and windows, cornices, outside wall trim, and roof coverings. Successful completion may result in journeyworker status. Interested apprentices should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

### Program Courses & Requirements

#### Apprenticeship Carpentry, Framing, CA (Total 25.5-26.5)

##### Complete all of the following

##### Certificate requirements: (Total 19.5)

##### Complete the following number of credits: 19.5

<b>ACA004C</b>	Print Reading	2
ACA021A	Orientation	2
ACA021B	Safety and Health Certifications	2
ACA021C	Basic Wall Framing	1.5
ACA021E	Tool/Equipment Applications	1.5
ACA022A	Commercial Floor Framing	1.5
ACA022B	Basic Stairs	1.5
ACA022D	Exterior Finish Details	1.5
ACA023B	Basic Roof Framing	1.5
ACA024A	Basic Commercial Framing	1.5
<b>ACA024B</b>	Advanced Commercial Framing	1.5
ACA025C	Advanced Stairs	1.5

##### Select four (4) courses from the following: (Total 6-7)

##### Complete the following number of credits: 6-7

<b>ACA023C</b>	Advanced Roof Framing	1.5
ACA024C	Panelized Roofing	1.5
ACA024D	Transit Level/Laser	2
ACA025D	Advanced Print Reading	2
ACA026B	Wall Forming	1.5
ACA072A	Basic Metal Framing	1.5

## APPRENTICESHIP CARPENTRY, INSULATOR, AS

A.S. Degree Major

### Control Number:

35233

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 Courses & Requirements

Apprenticeship Carpentry, Insulator, AS (Total 25.5-27)

##### Complete all of the following

##### Major requirements: (Total 19.5)

##### Complete the following number of credits: 19.5

<b>AIN021</b>	Orientation	2
AIN022	Safety and Health Certifications	2
AIN023	Insulation Basics	1.5
AIN024	Construction Methods	1.5
AIN025A	Print Reading	2
AIN026	Sound Control and Weatherstripping	1.5
AIN027	Flexible Foam Insulation	1.5
AIN034	Firestop/Fireproofing Procedures	1.5
AIN035	Infiltration and Moisture Control	1.5

AIN036	Loose Fill and Spray Insulation	1.5
AIN037	Rigid Foam and Cellular Glass Insulation Installations	1.5
AIN043	Tool/Equipment Applications	1.5

##### Select four (4) courses from the following: (Total 6-7.5)

##### Complete the following number of credits: 6-7.5

<b>ACA021C</b>	Basic Wall Framing	1.5
ACA072A	Basic Metal Framing	1.5
AIN025B	Advanced Print Reading	2
AIN031	Green Building and Weatherization	1.5
AIN032	Specialty Insulation	1.5
AIN033	Energy Audit	1.5
AIN041	Supervisory Training	2.5

## APPRENTICESHIP CARPENTRY, INSULATOR, CA

Certificate of Achievement

### Control Number:

35234

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 Courses & Requirements

#### Apprenticeship Carpentry, Insulator, CA (Total 25.5-27)

##### Complete all of the following

##### Major requirements: (Total 19.5)

##### Complete the following number of credits: 19.5

<b>AIN021</b>	Orientation	2
AIN022	Safety and Health Certifications	2
AIN023	Insulation Basics	1.5
AIN024	Construction Methods	1.5
<b>AIN025A</b>	Print Reading	2
AIN026	Sound Control and Weatherstripping	1.5
AIN027	Flexible Foam Insulation	1.5
AIN034	Firestop/Fireproofing Procedures	1.5
AIN035	Infiltration and Moisture Control	1.5
AIN036	Loose Fill and Spray Insulation	1.5
AIN037	Rigid Foam and Cellular Glass Insulation Installations	1.5
AIN043	Tool/Equipment Applications	1.5

##### Select four (4) courses from the following: (Total 6-7.5)

##### Complete the following number of credits: 6-7.5

<b>ACA021C</b>	Basic Wall Framing	1.5
ACA072A	Basic Metal Framing	1.5
AIN025B	Advanced Print Reading	2
AIN031	Green Building and Weatherization	1.5
AIN032	Specialty Insulation	1.5
AIN033	Energy Audit	1.5
AIN041	Supervisory Training	2.5

## APPRENTICESHIP CARPENTRY, MILLWRIGHTING, AS

A.S. Degree Major

### Control Number:

11986

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 Courses & Requirements**

Apprenticeship Carpentry, Millwrighting, AS (Total 31.5)

**Complete all of the following**

**Major requirements: (Total 25.5)**  
**Complete the following number of credits: 25.5**

<b>AMW021</b>	Orientation	2
AMW022	Safety and Health Certifications	2
AMW023A	Millwright General Skills-A	1.5
AMW023B	Millwright General Skills-B	1.5
AMW024	S/B Print Reading	2
AMW025	Welding Fabrication	1.5
AMW026	Cutting and Burning	1.5
AMW027	Optics and Machinery Alignment	1.5
AMW028	Machinery Shaft Alignment	1.5
AMW029A	Structural Welding-AWS A	1.5
AMW029B	Structural Welding-AWS B	1.5
AMW030	Rigging Hardware and Procedures	1.5
AMW031	Turbine Familiarization	1.5
AMW032	Pumps	1.5
AMW036A	Machinery Installation and Erection-A	1.5
AMW043	Tool/Equipment Applications	1.5

**Select four (4) courses from the following: (Total 6)**

**Complete the following number of credits: 6**

<b>AMW033</b>	Conveyor Systems	1.5
AMW034	Drives, Pulleys and Belts	1.5
AMW036B	Machinery Installation and Erection-B	1.5
AMW037	Turbine Maintenance	1.5
AMW039	Compressor Theory and Maintenance	1.5
AMW051	Solar Installer Level I	1.5

**APPRENTICESHIP CARPENTRY, MILLWRIGHTING, CA**

Certificate of Achievement

**Control Number:**

21662

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 Courses & Requirements**

Apprenticeship Carpentry, Millwrighting, CA (Total 31.5)

**Complete all of the following**

**Certificate requirements: (Total 25.5)**  
**Complete the following number of credits: 25.5**

<b>AMW021</b>	Orientation	2
AMW022	Safety and Health Certifications	2
AMW023A	Millwright General Skills-A	1.5
AMW023B	Millwright General Skills-B	1.5
AMW024	Printreading	2
AMW025	Welding Fabrication	1.5
AMW026	Cutting and Burning	1.5
AMW027	Optics and Machinery Alignment	1.5
AMW028	Machinery Shaft Alignment	1.5
AMW029A	Structural Welding-AWS A	1.5
AMW029B	Structural Welding-AWS B	1.5
AMW030	Rigging Hardware and Procedures	1.5
AMW031	Turbine Familiarization	1.5
<b>AMW032</b>	Pumps	1.5
AMW036A	Machinery Installation and Erection-A	1.5
AMW043	Tool/Equipment Applications	1.5

**Select four (4) courses from the following: (Total 6)**

**Complete the following number of credits: 6**

<b>AMW033</b>	Conveyor Systems	1.5
AMW034	Drives, Pulleys and Belts	1.5
AMW036B	Machinery Installation and Erection-B	1.5
AMW037	Turbine Maintenance	1.5
AMW038	Concentrated Photovoltaic Installations	1.5
AMW039	Compressor Theory and Maintenance	1.5
AMW040	Wind Turbine Installations	1.5
AMW051	Solar Installer Level I	1.5



## APPRENTICESHIP CARPENTRY, PILE DRIVER, AS

A.S. Degree Major

### Control Number:

31588

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 Courses & Requirements

Apprenticeship Carpentry, Pile Driver, AS (Total 22-23)

#### Complete all of the following

##### Major requirements: (Total 16)

#### Complete the following number of credits: 16

<b>ACPD021</b>	Orientation	2
ACPD022	Safety and Health Certifications	2
ACPD023	Tool/Equipment Applications	1.5
ACPD024A	Piles and Hammers A	1.5
ACPD024B	Piles and Hammers B	1.5
ACPD026A	Falsework A	1.5
ACPD026B	Falsework B	1.5
ACPD027A	Abutment A	1.5
ACPD027B	Abutment B	1.5
ACPD028A	Bridge and Deck Forms A	1.5

##### Select four (4) courses from the following: (Total 6-7)

#### Complete the following number of credits: 6-7

<b>ACA021C</b>	Basic Wall Framing	1.5
ACA024D	Transit Level/Laser	2
ACA027D	Stairs and Ramp Forming	1.5
ACA029A	Rigging	1.5
ACPD028B	Bridge and Deck Forms B	1.5
ACPD029A	Structural Welding-AWS A	1.5
ACPD029B	Structural Welding-AWS B	1.5
ACPD030	Print Reading	2
ACPD031A	Welding Fabrication A	1.5
ACPD031B	Welding Fabrication B	1.5
AMW026	Cutting and Burning	1.5

## APPRENTICESHIP CARPENTRY, PILE DRIVER, CA

Certificate of Achievement

### Control Number:

31589

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 Courses & Requirements

Apprenticeship Carpentry, Pile Driver, CA (Total 22-23)

#### Complete all of the following

##### Certificate requirements: (Total 16)

#### Complete the following number of credits: 16

<b>ACPD021</b>	Orientation	2
ACPD022	Safety and Health Certifications	2
ACPD023	Tool/Equipment Applications	1.5
ACPD024A	Piles and Hammers A	1.5
ACPD024B	Piles and Hammers B	1.5
ACPD026A	Falsework A	1.5
ACPD026B	Falsework B	1.5
ACPD027A	Abutment A	1.5
ACPD027B	Abutment B	1.5
ACPD028A	Bridge and Deck Forms A	1.5

##### Select four (4) courses from the following: (Total 6-7)

#### Complete the following number of credits: 6-7

<b>ACA021C</b>	Basic Wall Framing	1.5
ACA024D	Transit Level/Laser	2
ACA027D	Stairs and Ramp Forming	1.5
ACA029A	Rigging	1.5
ACPD028B	Bridge and Deck Forms B	1.5
ACPD029A	Structural Welding-AWS A	1.5
<b>ACPD029B</b>	Structural Welding-AWS B	1.5
ACPD030	Print Reading	2
ACPD031A	Welding Fabrication A	1.5
ACPD031B	Welding Fabrication B	1.5
AMW026	Cutting and Burning	1.5





## APPRENTICESHIP CARPENTRY, PLASTERING, AS

A.S. Degree Major

**Control Number:**

31705

The Associate of Science degree in Apprenticeship Carpentry, Plastering provides the required related and supplemental instruction for apprentice plasterers in the technical skills and knowledge required in the trade. Plasterers apply various wet materials over surfaces on both exterior and interior walls, ceilings and other surfaces in the construction industry. Successful completion may result in journeyworker status. Those interested should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Courses & Requirements**

Apprenticeship Carpentry, Plastering, AS (Total 25.5-27)

**Complete all of the following**

**Major requirements: (Total 19.5)**

**Complete the following number of credits: 19.5**

<b>ACA071A</b>	Orientation	2
ACA071B	Safety and Health Certifications	2
ACA074A	Print Reading	2
ACPL023	Tool/Equipment Applications	1.5
ACPL025	Basic Plastering	1.5
<b>ACPL026</b>	Exterior Plastering	1.5
ACPL027	Dot and Screed Techniques	1.5
ACPL028	Interior Plastering	1.5
ACPL029	Tender and Plastering Equipment	1.5
ACPL030	Exterior Insulation Finish Systems (EIFS)	1.5
ACPL031	Ornamental Plastering	1.5
ACPL032	Plastering Equipment Application	1.5

**Select four (4) courses from the following: (Total 6-7.5)**

**Complete the following number of credits: 6-7.5**

<b>ACA072B</b>	Basic Lathing	1.5
ACA074B	Advanced Print Reading	2
ACA074C	Air, Moisture and Thermal Barrier	1.5
ACA082B	Firestopping Procedures	1.5
ACPL033	Finish Applications	1.5
ACPL034	Theme Plastering	1.5
AMF030	Crew Lead Customer Service Training	2.5

## APPRENTICESHIP CARPENTRY, PLASTERING, CA

Certificate of Achievement

**Control Number:**

31706

The Certificate of Achievement in Apprenticeship Carpentry, Plastering provides the required related and supplemental instruction for apprentice plasterers in the technical skills and knowledge required in the trade. Plasterers apply various wet materials over surfaces on both exterior and interior walls, ceilings and other surfaces in the construction industry. Successful completion may result in journeyworker status. Those interested should contact the Carpentry Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Courses & Requirements**

Apprenticeship Carpentry, Plastering, CA (Total 25.5-27)

**Complete all of the following**

**Certificate requirements: (Total 19.5)**  
**Complete the following number of credits: 19.5**

<b>ACA071A</b>	Orientation	2
ACA071B	Safety and Health Certifications	2
ACA074A	Print Reading	2
ACPL023	Tool/Equipment Applications	1.5
ACPL025	Basic Plastering	1.5
ACPL026	Exterior Plastering	1.5
ACPL027	Dot and Screed Techniques	1.5
ACPL028	Interior Plastering	1.5
ACPL029	Tender and Plastering Equipment	1.5
ACPL030	Exterior Insulation Finish Systems (EIFS)	1.5
ACPL031	Ornamental Plastering	1.5
ACPL032	Plastering Equipment Application	1.5

**Select four (4) courses from the following: (Total 6-7.5)**

**Complete the following number of credits: 6-7.5**

<b>ACA072B</b>	Basic Lathing	1.5
ACA074B	Advanced Print Reading	2
ACA074C	Air, Moisture and Thermal Barrier	1.5
ACA082B	Firestopping Procedures	1.5
ACPL033	Finish Applications	1.5
ACPL034	Theme Plastering	1.5
AMF030	Crew Lead Customer Service Training	2.5



## APPRENTICESHIP CARPENTRY, TILT-UP, AS

A.S. Degree Major

### Control Number:

13233

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 Courses & Requirements

Apprenticeship Carpentry, Tilt-Up, AS (Total 21)

#### Complete all of the following

#### Major requirements: (Total 15)

#### Complete the following number of credits: 15

<b>ACA002B</b>	Slabs/Interior-Exterior Footings	1.5
ACA003A	Tilt-Up Introduction	1.5
ACA004A	Lifting, and Bracing Safety	1.5
ACA005A	Wall-Column Forms/Cutting and Burning	1.5
ACA005C	Specialized Forms and Rigging	1.5
ACA021A	Orientation	2
ACA021B	Safety and Health Certifications	2
ACA024D	Transit Level/Laser	2
ACA027D	Stairs and Ramp Forming	1.5

#### Select six (6) units from the following: (Total 6)

#### Complete the following number of credits: 6

<b>ACA004B</b>	Poured-in-Place Wall Forms	1.5
ACA005B	Site Work/Curb and Gutter	1.5
ACA021C	Basic Wall Framing	1.5
ACA022A	Commercial Floor Framing	1.5
ACA022E	Commercial Roof Framing	1.5
ACA025A	Foundations and Flatwork	1.5
ACA026B	Wall Forming	1.5
ACA029A	Rigging	1.5

## APPRENTICESHIP CARPENTRY, TILT-UP, CA

Certificate of Achievement

### Control Number:

21660

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 Courses & Requirements

Apprenticeship Carpentry, Tilt-Up, CA (Total 21)

#### Complete all of the following

#### Certificate requirements: (Total 15)

#### Complete the following number of credits: 15

<b>ACA002B</b>	Slabs/Interior-Exterior Footings	1.5
ACA003A	Tilt-Up Introduction	1.5
ACA004A	Lifting, and Bracing Safety	1.5
ACA005A	Wall-Column Forms/Cutting and Burning	1.5
ACA005C	Specialized Forms and Rigging	1.5
ACA021A	Orientation	2
ACA021B	Safety and Health Certifications	2
ACA024D	Transit Level/Laser	2
ACA027D	Stairs and Ramp Forming	1.5

#### Select six (6) units from the following: (Total 6)

#### Complete the following number of credits: 6

<b>ACA004B</b>	Poured-in-Place Wall Forms	1.5
ACA005B	Site Work/Curb and Gutter	1.5
ACA021C	Basic Wall Framing	1.5
ACA022A	Commercial Floor Framing	1.5
ACA022E	Commercial Roof Framing	1.5
ACA025A	Foundations and Flatwork	1.5
ACA026B	Wall Forming	1.5
ACA029A	Rigging	1.5



## APPRENTICESHIP COSMETOLOGY, CA

Certificate of Achievement

### Control Number:

11991

The Certificate of Achievement in Apprenticeship Cosmetology prepares students to obtain their license. The program is designed to offer the required related and supplemental classroom instruction as outlined by the apprenticeship agreement provided by the Division of Apprenticeship Standards and the State Board of Barbering and Cosmetology. All students must be indentured by the State of California. Interested apprentices should contact the Apprenticeship Office at Santiago Canyon College and the Orange County Barber and Cosmetology Joint Apprenticeship Committee.

### Program Courses & Requirements

Apprenticeship Cosmetology, CA (Total 0.5-14)

#### Complete all of the following

<b>ACS035</b>	Cosmetology Apprentice	0.5 - 14
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## APPRENTICESHIP ELECTRICITY, INDUSTRIAL, AS

A.S. Degree Major

### Control Number:

11985

The Associate of Science degree in Apprenticeship Electricity Industrial provides the required related and supplemental instruction for state-indentured electrical inside wiremen apprentices. They install conduit, electrical wiring, fixtures and electrical apparatus inside commercial buildings and in a multitude of industrial settings. They use many different kinds of tools, ranging from simple one- and two-hand tools to power-assisted tools. Interested apprentices should contact the Orange County Electrical Apprenticeship Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status. Meets the state requirements as an electrician trainee program.

### Program Courses & Requirements

Apprenticeship Electricity, Industrial, AS (Total 46.5)

#### Complete the following number of credits: 46.5

<b>AEL051</b>	Inside Wireman 1	4.5
AEL052	Inside Wireman 2	4.5
AEL053	Inside Wireman 3	4.5
AEL054	Inside Wireman 4	4.5
AEL055	Inside Wireman 5	4.5
AEL056	Inside Wireman 6	4.5
AEL057	Inside Wireman 7	4.5
AEL058	Inside Wireman 8	4.5
AEL059	Inside Wireman 9	4.5
AEL060	Inside Wireman 10	4.5
AEL061	Electrical Safety and First Aid	1.5

## APPRENTICESHIP ELECTRICITY, INDUSTRIAL, CA

Certificate of Achievement

### Control Number:

21661

The Certificate of Achievement in Apprenticeship Electricity, Industrial provides the required related and supplemental instruction for state-indentured electrical inside wiremen apprentices. They install conduit, electrical wiring, fixtures and electrical apparatus inside commercial buildings and in a multitude of industrial settings. They use many different kinds of tools, ranging from simple one- and two-hand tools to power-assisted tools. Interested apprentices should contact the Orange County Electrical Apprenticeship Training Committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status. Meets the state requirements as an electrician trainee program.

### Program Courses & Requirements

Apprenticeship Electricity, Industrial, CA (Total 46.5)

#### Complete the following number of credits: 46.5

<b>AEL051</b>	Inside Wireman 1	4.5
AEL052	Inside Wireman 2	4.5
AEL053	Inside Wireman 3	4.5
AEL054	Inside Wireman 4	4.5
AEL055	Inside Wireman 5	4.5
AEL056	Inside Wireman 6	4.5
AEL057	Inside Wireman 7	4.5
AEL058	Inside Wireman 8	4.5
AEL059	Inside Wireman 9	4.5
AEL060	Inside Wireman 10	4.5
AEL061	Electrical Safety and First Aid	1.5

## APPRENTICESHIP ELECTRICITY, INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN, AS

A.S. Degree Major

### Control Number:

22271

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 Courses & Requirements

Apprenticeship Electricity, Intelligent Transportation Systems Electrician, AS (Total 45)

#### Complete the following number of credits: 45

<b>AEL031</b>	Intelligent Transportation Systems Electrician Apprentice 1	4.5
AEL032	Intelligent Transportation Systems Electrician Apprentice 2	4.5
AEL033	Intelligent Transportation Systems Electrician Apprentice 3	4.5
AEL034	Intelligent Transportation Systems Electrician Apprentice 4	4.5
AEL035	Intelligent Transportation Systems Electrician Apprentice 5	4.5
AEL036	Intelligent Transportation Systems Electrician Apprentice 6	4.5
AEL037	Intelligent Transportation Systems Electrician Apprentice 7	4.5
AEL038	Intelligent Transportation Systems Electrician Apprentice 8	4.5
AEL039	Intelligent Transportation Systems Electrician Apprentice 9	4.5
AEL040	Intelligent Transportation Systems Electrician Apprentice 10	4.5



## APPRENTICESHIP ELECTRICITY, INTELLIGENT TRANSPORTATION SYSTEMS ELECTRICIAN, CA

Certificate of Achievement

**Control Number:**

22270

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 Courses & Requirements

Apprenticeship Electricity, Intelligent Transportation Systems Electrician, CA (Total 45)

**Complete the following number of credits:** **45**

<b>AEL031</b>	Intelligent Transportation Systems Electrician Apprentice 1	4.5
AEL032	Intelligent Transportation Systems Electrician Apprentice 2	4.5
AEL033	Intelligent Transportation Systems Electrician Apprentice 3	4.5
AEL034	Intelligent Transportation Systems Electrician Apprentice 4	4.5
AEL035	Intelligent Transportation Systems Electrician Apprentice 5	4.5
AEL036	Intelligent Transportation Systems Electrician Apprentice 6	4.5
AEL037	Intelligent Transportation Systems Electrician Apprentice 7	4.5
AEL038	Intelligent Transportation Systems Electrician Apprentice 8	4.5
AEL039	Intelligent Transportation Systems Electrician Apprentice 9	4.5
AEL040	Intelligent Transportation Systems Electrician Apprentice 10	4.5

## APPRENTICESHIP ELECTRICITY, SOUND INSTALLER, AS

A.S. Degree Major

**Control Number:**

19588

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 Courses & Requirements

Apprenticeship Electricity, Sound Installer, AS (Total 27)

**Complete the following number of credits:** **27**

<b>AEL021</b>	Sound and Communication Apprentice 1	4.5
AEL022	Sound and Communication Apprentice 2	4.5
AEL023	Sound and Communication Apprentice 3	4.5
AEL024	Sound and Communication Apprentice 4	4.5
AEL025	Sound and Communication Apprentice 5	4.5
AEL026	Sound and Communication Apprentice 6	4.5

## APPRENTICESHIP ELECTRICITY, SOUND INSTALLER, CA

Certificate of Achievement

**Control Number:**

19587

The Certificate of Achievement in Apprenticeship Electricity, Sound Installer provides related and supplemental instruction for electrical apprentices who have been recommended by the Joint Apprenticeship Committee. Interested apprentices should contact the committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may lead to state journeyworker certification.

### Program Courses & Requirements

Apprenticeship Electricity, Sound Installer, CA (Total 27)

**Complete the following number of credits:** **27**

<b>AEL021</b>	Sound and Communication Apprentice 1	4.5
AEL022	Sound and Communication Apprentice 2	4.5
AEL023	Sound and Communication Apprentice 3	4.5
AEL024	Sound and Communication Apprentice 4	4.5
AEL025	Sound and Communication Apprentice 5	4.5
AEL026	Sound and Communication Apprentice 6	4.5

## APPRENTICESHIP ELECTRICITY, SOUND TECHNICIAN, AS

A.S. Degree Major

**Control Number:**

19590

The Associate of Science degree in Apprenticeship Electricity Sound Technician provides related and supplemental instruction for electrical apprentices who have been recommended by the Joint Apprenticeship Committee. Interested apprentices should contact the committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may lead to state journeyworker certification.

### Program Courses & Requirements

Apprenticeship Electricity, Sound Technician, AS (Total 36)

**Complete the following number of credits:** **36**

<b>AEL021</b>	Sound and Communication Apprentice 1	4.5
AEL022	Sound and Communication Apprentice 2	4.5
AEL023	Sound and Communication Apprentice 3	4.5
AEL024	Sound and Communication Apprentice 4	4.5
AEL025	Sound and Communication Apprentice 5	4.5
AEL026	Sound and Communication Apprentice 6	4.5
AEL027	Sound and Communication Apprentice 7	4.5
AEL028	Sound and Communication Apprentice 8	4.5



## APPRENTICESHIP ELECTRICITY, SOUND TECHNICIAN, CA

Certificate of Achievement

**Control Number:**

19589

The Certificate of Achievement in Apprenticeship Electricity, Sound Technician provides related and supplemental instruction for electrical apprentices who have been recommended by the Joint Apprenticeship Committee. Interested apprentices should contact the committee and the Apprenticeship Office at Santiago Canyon College. Successful completion may lead to state journeyworker certification.

### Program Courses & Requirements

Apprenticeship Electricity, Sound Technician, CA (Total 36)

**Complete the following number of credits:** **36**

<b>AEL021</b>	Sound and Communication Apprentice 1	4.5
AEL022	Sound and Communication Apprentice 2	4.5
AEL023	Sound and Communication Apprentice 3	4.5
AEL024	Sound and Communication Apprentice 4	4.5
AEL025	Sound and Communication Apprentice 5	4.5
AEL026	Sound and Communication Apprentice 6	4.5
AEL027	Sound and Communication Apprentice 7	4.5
AEL028	Sound and Communication Apprentice 8	4.5

## APPRENTICESHIP OPERATING ENGINEERS, CONSTRUCTION SAFETY INSPECTOR, AS

A.S. Degree Major

**Control Number:**

31503

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 Courses & Requirements

Apprenticeship Operating Engineers, Construction Safety Inspector, AS (Total 24)

**Complete the following number of credits:** **24**

<b>AOE011</b>	Construction Safety Inspector Apprentice 1	4
AOE012	Construction Safety Inspector Apprentice 2	4
AOE013	Construction Safety Inspector Apprentice 3	4
AOE014	Construction Safety Inspector Apprentice 4	4
AOE015	Construction Safety Inspector Apprentice 5	4
AOE016	Construction Safety Inspector Apprentice 6	4

## APPRENTICESHIP OPERATING ENGINEERS, CONSTRUCTION SAFETY INSPECTOR, CA

Certificate of Achievement

**Control Number:**

31574

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 Courses & Requirements

Apprenticeship Operating Engineers, Construction Safety Inspector, CA (Total 24)

**Complete the following number of credits:** **24**

<b>AOE011</b>	Construction Safety Inspector Apprentice 1	4
AOE012	Construction Safety Inspector Apprentice 2	4
AOE013	Construction Safety Inspector Apprentice 3	4
AOE014	Construction Safety Inspector Apprentice 4	4
AOE015	Construction Safety Inspector Apprentice 5	4
AOE016	Construction Safety Inspector Apprentice 6	4

## APPRENTICESHIP OPERATING ENGINEERS, HEAVY DUTY REPAIRER, AS

A.S. Degree Major

**Control Number:**

17687

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 Courses & Requirements

Apprenticeship Operating Engineers, Heavy Duty Repairer, AS (Total 18)

**Complete the following number of credits:** **18**

<b>AOE031</b>	Heavy Duty Repairer 1	3
AOE032	Heavy Duty Repairer 2	3
AOE033	Hydraulics	3
AOE034	Advanced Hydraulics	3
AOE035	Heavy Duty Repairer 5	3
AOE036	Disassembly and Assembly	3



### APPRENTICESHIP OPERATING ENGINEERS, HEAVY DUTY REPAIRER, CA

Certificate of Achievement

**Control Number:**

21654

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 Courses & Requirements

Apprenticeship Operating Engineers, Heavy Duty Repairer, CA (Total 18)

**Complete the following number of credits:** **18**

<b>AOE03 I</b>	Heavy Duty Repairer 1	3
AOE032	Heavy Duty Repairer 2	3
AOE033	Hydraulics	3
AOE034	Advanced Hydraulics	3
AOE035	Heavy Duty Repairer 5	3
AOE036	Disassembly and Assembly	3

### APPRENTICESHIP OPERATING ENGINEERS, HEAVY EQUIPMENT/LANDSCAPE OPERATOR ENGINEER, AS

A.S. Degree Major

**Control Number:**

11983

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 Courses & Requirements

Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer, AS (Total 24)

**Complete the following number of credits:** **24**

<b>AOE04 I</b>	Introduction to Apprenticeship	4
AOE042	Grade Checking	4
AOE043	Equipment Operator 3	4
AOE044	Plan Reading	4
AOE045	Equipment Operator 5	4
AOE046	Hazmat 6	4

### APPRENTICESHIP OPERATING ENGINEERS, HEAVY EQUIPMENT/LANDSCAPE OPERATOR ENGINEER, CA

Certificate of Achievement

**Control Number:**

21655

The Certificate of Achievement in Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer provides the related and supplemental instruction required for state-indentured apprentices. Heavy Equipment/Landscape Operator Engineers are highly trained, skilled professionals who operate heavy construction equipment on high-rise buildings, roads, and freeways. Interested apprentices should contact the Operating Engineers Apprenticeship Training Trust and the Apprenticeship Office at Santiago Canyon College. Successful completion may result in journeyworker status.

#### Program Courses & Requirements

Apprenticeship Operating Engineers, Heavy Equipment/Landscape Operator Engineer, CA (Total 24)

**Complete the following number of credits:** **24**

<b>AOE04 I</b>	Introduction to Apprenticeship 4
AOE042	Grade Checking 4
AOE043	Equipment Operator 3 4
AOE045	Equipment Operator 5 4
AOE044	Plan Reading 4
AOE046	Hazmat 6 4

### APPRENTICESHIP OPERATING ENGINEERS, PLANT EQUIPMENT/ROCK, SAND AND GRAVEL, AS

A.S. Degree Major

**Control Number:**

17686

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 Courses & Requirements

Apprenticeship Operating Engineers, Plant Equipment/Rock, Sand and Gravel, AS (Total 24)

**Complete the following number of credits:** **24**

<b>AOE02 I</b>	Plant Equipment Operator 1	4
AOE022	Plant Equipment Operator 2	4
AOE023	Plant Equipment Operator 3	4
AOE024	Plant Equipment Operator 4	4
AOE025	Plant Equipment Operator 5	4
AOE026	Plant Equipment Operator 6	4



## APPRENTICESHIP OPERATING ENGINEERS, PLANT EQUIPMENT/ROCK, SAND AND GRAVEL, CA

Certificate of Achievement

**Control Number:**

21656

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 Courses & Requirements**

Apprenticeship Operating Engineers, Plant Equipment/Rock, Sand and Gravel, CA (Total 24)

**Complete the following number of credits: 24**

<b>AOE021</b>	Plant Equipment Operator 1	4
AOE022	Plant Equipment Operator 2	4
AOE023	Plant Equipment Operator 3	4
AOE024	Plant Equipment Operator 4	4
AOE025	Plant Equipment Operator 5	4
AOE026	Plant Equipment Operator 6	4

## APPRENTICESHIP OPERATING ENGINEERS, SPECIAL INSPECTOR, AS

A.S. Degree Major

**Control Number:**

17688

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 Courses & Requirements**

Apprenticeship Operating Engineers, Special Inspector, AS (Total 24)

**Complete all of the following**

**Major requirements: (Total 8)**

**Complete the following number of credits: 8**

<b>AOE075A</b>	Soils Inspection and Testing	4
AOE076A	Structural Plan Reading for Inspectors	4

**Select four (4) courses from the following: (Total 16)**

**Complete the following number of credits: 16**

<b>AOE071A</b>	Reinforced Concrete	4
AOE072A	Prestressed Concrete	4
AOE073A	Structural Steel/Welding	4
AOE074A	Structural Masonry	4
AOE077A	ICC Soils Special Inspector	4

## APPRENTICESHIP OPERATING ENGINEERS, SPECIAL INSPECTOR, CA

Certificate of Achievement

**Control Number:**

21665

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 Courses & Requirements**

Apprenticeship Operating Engineers, Special Inspector, CA (Total 24)

**Complete all of the following**

**Certificate requirements: (Total 8)**

**Complete the following number of credits: 8**

<b>AOE075A</b>	Soils Inspection and Testing	4
AOE076A	Structural Plan Reading for Inspectors	4

**Select four (4) courses from the following: (Total 16)**

**Complete the following number of credits: 16**

<b>AOE071A</b>	Reinforced Concrete	4
AOE072A	Prestressed Concrete	4
AOE073A	Structural Steel/Welding	4
AOE074A	Structural Masonry	4
AOE077A	ICC Soils Special Inspector	4

## APPRENTICESHIP POWER LINEMAN, AS

A.S. Degree Major

**Control Number:**

11981

The Associate of Science degree in Apprenticeship Power Lineman provides the required related and supplemental instruction for power lineman apprentices. The work of the power lineman involves installing and maintaining power poles, erecting steel towers, stringing wire, building substations, climbing power poles and installing underground and street lighting systems. It's highly skilled work that requires a great deal of concentration, dexterity, and knowledge. Interested apprentices should contact the California-Nevada Joint Apprentice Training Committee and the Apprenticeship Office at Santiago Canyon College.

**Program Courses & Requirements**

Apprenticeship Power Lineman, AS (Total 24)

**Complete the following number of credits: 24**

<b>APL020</b>	Orientation 3
APL021	Power Lineman Apprentice 1 3
APL022	Power Lineman Apprentice 2 3
APL023	Power Lineman Apprentice 3 3
APL024	Power Lineman Apprentice 4 3
APL025	Power Lineman Apprentice 5 3
APL026	Power Lineman Apprentice 6 3
APL041	Work Methods Training I
APL042	Rubber Gloves Training I
APL043	Hot Sticks Training I



## APPRENTICESHIP POWER LINEMAN, CA

Certificate of Achievement

### Control Number:

21652

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 Courses & Requirements

Apprenticeship Power Lineman, CA (Total 24)

#### Complete the following number of credits: 24

<b>APL020</b>	Orientation	3
APL021	Power Lineman Apprentice 1	3
APL022	Power Lineman Apprentice 2	3
APL023	Power Lineman Apprentice 3	3
APL024	Power Lineman Apprentice 4	3
APL025	Power Lineman Apprentice 5	3
APL026	Power Lineman Apprentice 6	3
APL041	Work Methods Training	1
APL042	Rubber Gloves Training	1
APL043	Hot Sticks Training	1

## APPRENTICESHIP SURVEYING, CHAINMAN, AS

A.S. Degree Major

### Control Number:

13230

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 Courses & Requirements

Apprenticeship Surveying, Chainman, AS (Total 25.6)

#### Complete the following number of credits: 25.6

<b>ASV030</b>	Labor Relations	0.5
ASV040	Standard First Aid	0.1
ASV101	Chainman Apprentice 1	5
ASV102	Chainman Apprentice 2	5
ASV103	Chainman Apprentice 3	5
ASV104	Chainman Apprentice 4	5
ASV105	Chainman Apprentice 5	5

## APPRENTICESHIP SURVEYING, CHAINMAN, CA

Certificate of Achievement

### Control Number:

21667

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 Courses & Requirements

Apprenticeship Surveying, Chainman, CA (Total 25.6)

#### Complete the following number of credits: 25.6

<b>ASV030</b>	Labor Relations	0.5
ASV040	Standard First Aid	0.1
ASV101	Chainman Apprentice 1	5
ASV102	Chainman Apprentice 2	5
ASV103	Chainman Apprentice 3	5
ASV104	Chainman Apprentice 4	5
ASV105	Chainman Apprentice 5	5

## APPRENTICESHIP SURVEYING, CHIEF OF PARTY, AS

A.S. Degree Major

### Control Number:

11990

The Associate of Science degree in Apprenticeship Surveying, Chief of Party prepares students for career advancement in surveying. If combined with appropriate field experience, completion of the program may lead to employment as party chief and eventually to professional California state licensing as a land surveyor. The Chief of Party leads the work of a survey party in surveying Earth's surface to determine precise locations and measurements. They are responsible for checking the accuracy of the survey party's work, making accurate measurements, and solving survey problems. Those interested should contact the Southern California Surveying Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

### Program Courses & Requirements

Apprenticeship Surveying, Chief of Party, AS (Total 24)

#### Complete the following number of credits: 24

<b>ASV121</b>	Plane Surveying and Coordinate Geometry	3
ASV122	Advanced Coordinate Geometry	3
ASV123	Laptop Surveying/Aerial Photogrammetry	3
ASV124	Plan Reading and Subdivision Surveying	3
ASV125	Major Project Plans and Survey Layout	3
ASV126	Control and Geodetic Surveying	3
ASV127	U.S. Public Land Surveys	3
ASV128	Property Surveys and Legal Descriptions	3





## APPRENTICESHIP SURVEYING, CHIEF OF PARTY, CA

Certificate of Achievement

**Control Number:**

21666

The Certificate of Achievement in Apprenticeship Surveying, Chief of Party prepares students for career advancement in surveying. If combined with appropriate field experience, completion of the program may lead to employment as party chief and eventually to professional California state licensing as a land surveyor. The Chief of Party leads the work of a survey party in surveying Earth's surface to determine precise locations and measurements. They are responsible for checking the accuracy of the survey party's work, making accurate measurements, and solving survey problems. Those interested should contact the Southern California Surveying Apprenticeship Committee and the Apprenticeship Office at Santiago Canyon College.

### Program Courses & Requirements

Apprenticeship Surveying, Chief of Party, CA (Total 24)

**Complete the following number of credits: 24**

<b>ASV121</b>	Plane Surveying and Coordinate Geometry	3
ASV122	Advanced Coordinate Geometry	3
ASV123	Laptop Surveying/Aerial Photogrammetry	3
ASV124	Plan Reading and Subdivision Surveying	3
ASV125	Major Project Plans and Survey Layout	3
ASV126	Control and Geodetic Surveying	3
ASV127	U.S. Public Land Surveys	3
ASV128	Property Surveys and Legal Descriptions	3

## ART, AA

A.A. Degree Major

**Control Number:**

11911

The Associate of Arts degree in Art provides students with an opportunity for individual creative stimulus and development. Completion of the associate in arts degree also prepares students to transfer to a four-year institution leading to a baccalaureate degree or into a professional art school. Possible careers in fine arts are art education, interior design, gallery operation, art merchandising, studio artist, illustration, art criticism, computer graphics and animation and related fields.

### Program Courses & Requirements

Art, AA (Total 30)

**Complete all of the following**

**Major requirements: (Total 24)**

**Complete the following number of credits: 24**

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. 0

<b>ART100</b>	Introduction to Art Concepts	3
ART100H	Honors Introduction to Art Concepts	3
ART101	Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART101H	Honors Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART102	Survey of Western Art History II: Renaissance Through the Twentieth Century	3
ART102H	Honors Survey of Western Art History II: Renaissance Through the Twentieth Century	3
ART110	Two-Dimensional Design	3
ART111	Three-Dimensional Design	3
ART130	Introduction to Drawing	3
ART131	Beginning Life Drawing	3
ART141	Beginning Painting	3

**Select six (6) units from the following: (Total 6)  
Complete the following number of credits: 6**

<b>ART128</b>	Introduction to Illustration	3
ART149	Introduction to Digital Photography	3
ART159	Introduction to Mobile Application Development and Design	3
ART195	Introduction to Digital Media Arts	3
ART228	Intermediate Illustration	3
ART230	Intermediate Drawing	3
ART231	Intermediate Life Drawing	3
ART232	Advanced Life Drawing	3
ART233	Advanced Drawing	3
ART241	Intermediate Painting	3
ART242	Advanced Painting	3
ART249	Intermediate Digital Photography	3
ART259	Advanced Mobile Application Development and Design	3
ART250	Advanced Studio Concepts	3



## ASTRONOMY, AS

A.S. Degree Major

### Control Number:

33223

The Associate of Science degree in Astronomy provides a foundation in astronomy and physics for students planning to transfer into a baccalaureate program in astronomy, astrophysics or astronomy education leading to a career in astronomy and/or physics research, education, or technology and programming.

### Program Courses & Requirements

Astronomy, AS (Total 25)

#### Complete the following number of credits: 25

#### Complete all of the following

<b>ASTRI00L</b>	Astronomy Laboratory	1
<b>ASTRI02</b>	Introduction to Stars and Galaxies	3

(TOTAL 4)

#### Complete at least one of the following rules

<b>ASTRI03</b>	Introduction to the Solar System	3
<b>ASTRI12</b>	Introduction to Cosmology	3

(TOTAL 3-6)

#### Complete all of the following

<b>CMPRI20</b>	Introduction to Programming	3
<b>PHYS250A</b>	Physics for Scientists and Engineers I	5
<b>PHYS250B</b>	Physics for Scientists and Engineers II	5
<b>PHYS250C</b>	Physics for Scientists and Engineers III	5

(TOTAL 18)

# Biology

## INTRODUCTION TO WORK EXPERIENCE

### BIOL097: 0.5-3.0 Units

This course is an introduction to work experience with an on campus, supervised volunteer experience in the biosciences including an introduction to new or expanded responsibilities. 60 hours of unpaid work equals one unit. Course may be taken 3 times for a maximum of 3 units of introductory occupational cooperative work experience credit. Open Entry/Open Exit.

#### Requisites:

None

## FUNDAMENTALS OF BIOLOGY

### BIOL109: 3.0 Units

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.

#### Requisites:

##### Advisory

**BIOL109L** Fundamentals of Biology Laboratory  
or concurrent enrollment

#### OR

##### Advisory

**BIOL109HL** Honors Fundamentals of Biology Laboratory  
or concurrent enrollment

#### General Education Plan:

##### Local-Plan A

- Area A: Natural Sciences

##### CSU GE-Plan B

- Area B2: Life Sciences

##### IGETC-Plan C

- Area 5B: Biological Science

#### Local-Plan D

- Area E2: Biological Sciences

## HONORS FUNDAMENTALS OF BIOLOGY

### BIOL109H: 3.0 Units

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.

#### Requisites:

##### Advisory

**BIOL109L** Fundamentals of Biology Laboratory  
Concurrent Enrollment

#### OR

##### Advisory

**BIOL109HL** Honors Fundamentals of Biology Laboratory  
Concurrent Enrollment

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local-Plan A

- Area A: Natural Sciences

##### CSU GE-Plan B

- Area B2: Life Sciences

##### IGETC-Plan C

- Area 5B: Biological Science

#### Santa Ana College-Shared Course

- Shared Course with SAC

#### Local-Plan D

- Area E2: Biological Sciences

## HONORS FUNDAMENTALS OF BIOLOGY LABORATORY

### BIOL109HL: 1.0 Units

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.

#### Requisites:

##### Prerequisite

**BIOL109** Fundamentals of Biology  
or concurrent enrollment

#### OR

##### Prerequisite

**BIOL109H** Honors Fundamentals of Biology  
or concurrent enrollment

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### Weekly Lecture Hours:

1.0

#### General Education Plan:

##### Local-Plan A

- Area A: Natural Sciences

##### CSU GE-Plan B

- Area B3: Laboratory Activity



**IGETC-Plan C**

- Area 5C: Laboratory Activities

**FUNDAMENTALS OF BIOLOGY LABORATORY**

**BIOLI09L: 1.0 Units**

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.

**Requisites:**

**Prerequisite**

**BIOLI09** Fundamentals of Biology  
or concurrent enrollment

**OR**

**Prerequisite**

**BIOLI09H** Honors Fundamentals of Biology  
or concurrent enrollment

**General Education Plan:**

**Local-Plan A**

- Area A: Natural Sciences

**CSU GE-Plan B**

- Area B3: Laboratory Activity

**IGETC-Plan C**

- Area 5C: Laboratory Activities

**Santa Ana College Shared Course**

- Shared Course with SAC

**CONCEPTS IN BIOLOGY FOR EDUCATORS**

**BIOLI15: 4.0 Units**

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.

**Requisites:**

None

**General Education Plan:**

**Local-Plan A**

- Area A: Natural Sciences

**CSU GE-Plan B**

- Area B2: Life Sciences
- Area B3: Laboratory Activity

**IGETC-Plan C**

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

**Santa Ana College-Shared Course**

- Shared Course with SAC

**Local-Plan D**

- Area E2 Biological Sciences

**HEALTH MICROBIOLOGY**

**BIOLI39: 4.0 Units**

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.

**Requisites:**

**Advisory**

**BIOLI09** Fundamentals of Biology

**OR**

**Advisory**

**BIOLI09H** Honors Fundamentals of Biology

**OR**

**Advisory**

**BIOLI49** Human Anatomy and Physiology

**General Education Plan:**

**Local-Plan A**

- Area A: Natural Sciences

**CSU GE-Plan B**

- Area B2: Life Sciences
- Area B3: Laboratory Activity

**IGETC-Plan C**

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

**Santa Ana College Shared Course**

- Shared Course with SAC

**Local-Plan D**

- Area E2-Biological Sciences



## HUMAN ANATOMY AND PHYSIOLOGY

### BIOLI49: 4.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B2: Life Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area E2 - Biological Sciences

## HUMAN GENETICS

### BIOLI77: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B2: Life Sciences

##### IGETC - Plan C

- Area 5B: Biological Science

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

## INTRODUCTION TO BIOTECHNOLOGY

### BIOLI90: 3.0 Units

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.

#### Requisites:

##### Advisory

**MATH080** Intermediate Algebra

##### OR

##### Advisory

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Advisory

Qualifying profile from the mathematics placement process

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B2: Life Sciences

##### IGETC - Plan C

- Area 5B: Biological Science

#### Course Identifier (C-ID)

- Biotechnology

##### Local - Plan D

- Area E2 - Biological Sciences

## INTRODUCTION TO BIOTECHNOLOGY LAB

### BIOLI90L: 1.0 Units

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.

#### Requisites:

##### Co-Requisite

**BIOLI90** Introduction to Biotechnology

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5C: Laboratory Activities

#### Course Identifier (C-ID)

- Biotechnology

#### Santa Ana College - Shared Course

- Shared Course with SAC



## BIOTECH A: BASIC LAB SKILLS

### BIOLI91: 4.0 Units

Introduction to the fundamental skills necessary for any biotechnology laboratory. Skills include maintenance of an industry standard notebook; preparation and sterilization of solutions, reagents, and media; utilization of good aseptic technique, proper use and maintenance of laboratory equipment, adherence to quality control protocols, and laboratory safety regulations.

Previous Title: Biotechnology A: Basic Lab Skills (2017)

#### Requisites:

##### Advisory

**MATH080** Intermediate Algebra

##### OR

##### Advisory

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Advisory

Qualifying profile from the mathematics placement process

## BIOTECH B: PROTEINS

### BIOLI92: 4.0 Units

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.

#### Requisites:

##### Prerequisite

**BIOLI91** Biotech A: Basic Lab Skills

#### General Education Plan:

##### Course Identifier (C-ID)

- Biotechnology

## BIOTECH C: NUCLEIC ACIDS

### BIOLI93: 4.0 Units

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)

#### Requisites:

##### Prerequisite

**BIOLI91** Biotech A: Basic Lab Skills

## QUALITY AND REGULATORY COMPLIANCE IN BIOSCIENCES

### BIOLI94: 2.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Course Identifier (C-ID)

- Biotechnology

## FOOD SAFETY

### BIOLI96: 2.0 Units

This course covers the regulatory agencies that oversee and the methodologies prescribed to ensure a safe food supply. The basics of quality assurance and quality improvement as applied to the food industry as well as The Food Safety Modernization Act, hazard analysis critical control points (HACCP), product traceability, food allergens, and food contaminants including microorganisms are presented. Illnesses known to result from ingestion of contaminated foods are discussed.

#### Requisites:

##### Advisory

**BIOLI39** Health Microbiology

##### OR

##### Advisory

**BIOL229** General Microbiology

##### AND

##### Advisory

**BIOLI94** Quality and Regulatory Compliance in Biosciences

## SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) INTERNSHIP

### BIOLI97: 1.0 - 4.0 Units

This is an Internship of supervised paid or unpaid work experience in the student's major which could include new or expanded responsibilities. 75 hours paid work or 60 hours of unpaid work equals one unit. A maximum of 4 units is allowed per semester. Limitation of 16 units in occupational cooperative education courses. May require field experience. Open Entry/ Open Exit.

#### Requisites:

None

#### Entrance Skills:

- Successful completion of 10 units within the Biotechnology Program

## CELL CULTURE TECHNIQUES

### BIOL202: 2.0 Units

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.

#### Requisites:

##### Prerequisite

**BIOLI91** Biotech A: Basic Lab Skills



## CELLULAR AND MOLECULAR BIOLOGY

### BIOL211: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**CHEM200A** General Chemistry A

##### OR

##### Prerequisite

**CHEM200AH** Honors General Chemistry A

##### AND

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from the mathematics placement process

##### AND

##### Advisory

Eligible for ENGL 100 or ENGL 101/101H

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B2: Life Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

##### Course Identifier (C-ID)

- Biology

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area E2 - Biological Sciences

## ANIMAL DIVERSITY AND EVOLUTION

### BIOL221: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

Equivalent course from the mathematics placement process

##### AND

##### Advisory

**BIOL211** Cellular and Molecular Biology

#### General Education Plan:

##### Course Identifier (C-ID)

- Biology

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### CSU GE - Plan B

- Area B2: Life Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

##### Local - Plan D

- Area E2 - Biological Sciences



## GENERAL MICROBIOLOGY

### BIOL229: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**BIOL109** Fundamentals of Biology

##### Prerequisite

**BIOL109L** Fundamentals of Biology Laboratory

##### OR

##### Prerequisite

**BIOL109H** Honors Fundamentals of Biology

##### 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

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B2: Life Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

#### Santa Ana College - Shared Course

- Shared Course with SAC

## PLANT DIVERSITY AND ECOLOGY

### BIOL231: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

Equivalent course from qualifying profile from the math placement process

##### AND

##### Advisory

**BIOL211** Cellular and Molecular Biology

#### General Education Plan:

##### CSU GE - Plan B

- Area B2: Life Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

#### Course Identifier (C-ID)

- Biology

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses



## GENERAL HUMAN ANATOMY

### BIOL239: 4.0 Units

Structure of the human body. Systems, organs, and tissues are studied from human skeletons, models, charts, slides, and computer programs. Laboratory includes the dissection of a cat and periodic demonstrations of a prosected cadaver as available.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B2: Life Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Biology

#### Santa Ana College - Shared Course

- Shared Course with SAC

#### Local - Plan D

- Area E2 - Biological Sciences

## HUMAN PHYSIOLOGY

### BIOL249: 4.0 Units

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.

#### Requisites:

##### Prerequisite

**BIOL239** General Human Anatomy

#### General Education Plan:

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

#### Course Identifier (C-ID)

- Biology

#### Santa Ana College - Shared Course

- Shared Course with SAC

## ENVIRONMENTAL BIOLOGY

### BIOL259: 4.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B2: Life Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

#### Santa Ana College - Shared Course

- Shared Course with SAC

## BIOCHEMISTRY AND MOLECULAR BIOLOGY

### BIOL290: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**BIOL211** Cellular and Molecular Biology

#### AND

##### Prerequisite

**CHEM100** Introductory Chemistry

#### General Education Plan:

##### CSU GE - Plan B

- Area B2: Life Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5B: Biological Science
- Area 5C: Laboratory Activities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses





# Business

## PRINCIPLES OF PROJECT MANAGEMENT

### BUS090: 3.0 Units

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.

#### Requisites:

##### Anti-Requisite

**PBLC080** Principles of Project Management

## FUNDAMENTALS OF BUSINESS

### BUS100: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Business

##### Santa Ana College - Shared Course

- Shared Course with SAC

## LEGAL ENVIRONMENT OF BUSINESS

### BUS105: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Course Identifier (C-ID)

- Business

## PRINCIPLES OF MANAGEMENT

### BUS120: 3.0 Units

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.

#### Requisites:

##### Anti-Requisite

**MGMT120** Principles of Management

OR

## HUMAN RELATIONS AND ORGANIZATIONAL BEHAVIOR

### BUS121: 3.0 Units

The role of the manager and management's relationship to employees. Includes the application of motivational theories, communications, leadership, and organizational structure.

#### Requisites:

##### Anti-Requisite

**MGMT121** Human Relations and Organizational Behavior

## INTRODUCTION TO E-COMMERCE

### BUS127: 3.0 Units

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.

#### Requisites:

None

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

## PERSONAL FINANCE

### BUS130: 3.0 Units

This course is an integrative approach to personal finance focusing on practical financial decision making as well as the social, psychological, and physiological contexts in which those decisions are made. Students will examine their relationships with money, set personal goals, and develop a plan to meet those goals. Topics include consumerism, debt, healthcare, investing, retirement, long-term care, disability, death, and taxes.

#### Requisites:

None

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC

## INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS

### BUS150: 3.0 Units

Introduction to computer concepts and management information systems. Application software used to solve business problems.

#### Requisites:

None

#### General Education Plan:

##### Course Identifier (C-ID)

- Business

##### Santa Ana College - Shared Course

- Shared Course with SAC

## PRINCIPLES OF SMALL BUSINESS MANAGEMENT

### BUS170: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC

## BUSINESS PLAN FOR SMALL BUSINESS

### BUS171: 3.0 Units

Business planning for the opening or continued successful operation of a small business through the preparation of a written business plan.

#### Requisites:

##### Advisory

**BUS170** Principles of Small Business Management

Concurrent enrollment



**ONLINE ENTREPRENEURSHIP**

**BUS175: 3.0 Units**

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.

**Requisites:**

None

**BUSINESS WRITING**

**BUS222: 3.0 Units**

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.

**Requisites:**

**Prerequisite**

**ENGL100** Freshman Composition with Integrated Support

**OR**

**Prerequisite**

**ENGL101** Freshman Composition

**OR**

**Prerequisite**

**ENGL101H** Honors Freshman Composition

**General Education Plan:**

**Course Identifier (C-ID)**

- Business

**Santa Ana College - Shared Course**

- Shared Course with SAC

**BASIC EMPLOYMENT SKILLS, CC**

Certificate of Completion

**Control Number:**

36370

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 Courses & Requirements**

Basic Employment Skills, CC (Total 180)

**Complete the following number of credits: 180**

<b>WKPR012</b>	Applying Reading Skills on the Job	60
<b>WKPR013</b>	Applying Writing Skills on the Job	60
<b>WKPR017</b>	Applying Math Skills on the Job	60

**BEHAVIOR TECHNICIAN, CC**

Certificate of Completion

**Control Number:**

38398

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 Courses & Requirements**

Behavior Technician, CC (Total 48)

**Complete the following number of credits: 48**

<b>VMED080</b>	Introduction to the Behavior Technician Program 24/VMED081 Behavior Technician Certification Training	24
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**BILINGUAL INSTRUCTIONAL AIDE:**

**SPANISH, CA**

Certificate of Achievement

**Control Number:**

37913

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 Courses & Requirements**

Bilingual Instructional Aide: Spanish, CA (Total 6-11)

**Complete the following number of credits: 6-11**

**Complete all of the following (Total 6)**

<b>EDUC110</b>	The Teaching Experience: Exploration	3
<b>EDUC113</b>	Educational Strategies for Tutors and Instructional Aides	1
<b>SPAN115</b>	Practical Communication in Spanish for Teachers	2

**Complete at least one of the following rules (Total 0 - 10)**

<b>SPAN102</b>	Elementary Spanish II	5
<b>SPAN111</b>	Spanish for Spanish Speakers 2	5

**Seal of Biliteracy in Spanish Language (Total 0)**

**Complete the following number of credits: 0**



**BIOLOGY, AS**

A.S. Degree Major

**Control Number:**

11856

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 Courses & Requirements**

**Biology, AS (Total 25)**

**Complete the following number of credits: 25**

<b>BIOL211</b>	Cellular and Molecular Biology	5
BIOL221	Animal Diversity and Evolution	5
BIOL231	Plant Diversity and Ecology	5
CHEM200B	General Chemistry B	5

**Complete at least one of the following rules (Total 5-10)**

<b>CHEM200A</b>	General Chemistry A	5
CHEM200AH	Honors General Chemistry A	5

**BIOLOGY, AS-T**

A.S. Degree for Transfer

**Control Number:**

35110

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 Courses & Requirements**

**Biology, AS-T (Total 37)**

**Complete the following number of credits: 37**

**Complete all of the following (Total 15)**

<b>BIOL211</b>	Cellular and Molecular Biology	5
BIOL221	Animal Diversity and Evolution	5
BIOL231	Plant Diversity and Ecology	5

**Complete at least one of the following rules (Total 5-15)**

<b>CHEM200A</b>	General Chemistry A	5
CHEM200AH	Honors General Chemistry A	5
CHEM200B	General Chemistry B	5

**Complete at least one of the following rules (Total 4-8)**

<b>MATH180</b>	Single Variable Calculus I	4
	MATH180H	
	Honors Single Variable Calculus I	4

**Complete all of the following (Total 8)**

<b>PHYS150A - Introductory Physics I</b>	4
PHYS150B - Introductory Physics II	4

**BIOTECHNOLOGY BIOMANUFACTURING TECHNICIAN, CA**

Certificate of Achievement

**Control Number:**

32598

The Certificate of Achievement in Biotechnology Biomanufacturing Technician is designed for students who wish to obtain the skills required to gain employment in industries influenced by biotechnology as well as for incumbent workers seeking career opportunities. Upon completion of this certificate program, students will be eligible to obtain employment as laboratory assistants or biomanufacturing technicians.

**Program Courses & Requirements**

**Biotechnology Biomanufacturing Technician, CA (Total 19)**

**Complete the following number of credits: 19**

**Complete all of the following (Total 14)**

<b>BIOL190</b>	Introduction to Biotechnology	3
BIOL190L	Introduction to Biotechnology Lab	1
BIOL191	Biotech A: Basic Lab Skills	4
BIOL192	Biotech B: Proteins	4
BIOL194	Quality and Regulatory Compliance in Biosciences	2

**Complete at least one of the following rules (Total 5-10)**

<b>CHEM200A</b>	General Chemistry A	5
CHEM200AH	Honors General Chemistry A	5

**BIOTECHNOLOGY FUNDAMENTALS, CERT**

Certificate of Proficiency

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 Courses & Requirements**

**Biotechnology Fundamentals, CERT (Total 8)**

**Complete all of the following**

<b>BIOL190</b>	Introduction to Biotechnology	3
BIOL190L	Introduction to Biotechnology Lab	1
BIOL191	Biotech A: Basic Lab Skills	4



## BIOTECHNOLOGY LAB ASSISTANT, CA

Certificate of Achievement

### Control Number:

40639

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 Courses & Requirements

Biotechnology Lab Assistant, CA (Total 12-13)

**Complete the following number of credits: 12-13**

**Certificate Requirements: (Total 8)**

#### Complete all of the following

<b>BIOL191</b>	Biotech A: Basic Lab Skills	4
CHEM100	Introductory Chemistry	4
Select BIOL 190/190L or BIOL 211:		(Total 4-5)

**Complete the following number of credits: 4-5**

<b>BIOL190</b>	Introduction to Biotechnology	3
BIOL190L	Introduction to Biotechnology Lab	1
BIOL211	Cellular and Molecular Biology	5

## BIOTECHNOLOGY LABORATORY TECHNICIAN: FOOD SAFETY, CA

Certificate of Achievement

### Control Number:

32648

The Certificate of Achievement in Biotechnology Laboratory Technician of Food Safety is designed for students who wish to obtain the skills required to gain employment in industries influenced by biotechnology within the food industry as well as for incumbent workers seeking career opportunities. Upon completion of this certificate program, students will be eligible to obtain employment as laboratory assistants or quality assurance/ quality control (QA/QC) technicians, especially within the food industry.

### Program Courses & Requirements

Biotechnology Laboratory Technician: Food Safety, CA (Total 10 - 11)

**Complete the following number of credits: 10-11**

<b>BIOL191</b>	Biotech A: Basic Lab Skills	4
BIOL196	Food Safety	2
Select BIOL 190/190L or BIOL 211		0
BIOL190	Introduction to Biotechnology	3
BIOL190L	Introduction to Biotechnology Lab	1
BIOL211	Cellular and Molecular Biology	5

## BIOTECHNOLOGY, AS

A.S. Degree Major

### Control Number:

32599

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 Courses & Requirements

Biotechnology, AS (Total 34)

**Complete the following number of credits: 34**

**Complete all of the following (Total 20)**

<b>BIOL190</b>	Introduction to Biotechnology	3
BIOL190L	Introduction to Biotechnology Lab	1
BIOL191	Biotech A: Basic Lab Skills	4
BIOL192	Biotech B: Proteins	4
BIOL193	Biotech C: Nucleic Acids	4
BIOL194	Quality and Regulatory Compliance in Biosciences	2
BIOL202	Cell Culture Techniques	2

\*If planning to transfer to the Biomanufacturing B.S. programs, students must take BIOL 211 instead of BIOL 229. (Total 0)

**Complete the following number of credits: 0**

**Complete at least one of the following rules (Total 5-10)**

<b>BIOL211</b>	Cellular and Molecular Biology	5
BIOL229	General Microbiology	5

**Complete at least one of the following rules (Total 5-10)**

<b>CHEM200A</b>	General Chemistry A	5
CHEM200AH	Honors General Chemistry A	5

**Complete at least one of the following rules (Total 4-12)**

<b>MATH219</b>	Statistics and Probability	4 MATH219H
Honors Statistics and Probability		4 MATH220
Statistics and Probability with Integrated Review		4



## BUSINESS ADMINISTRATION 2.0, AS-T

A.S. Degree for Transfer

### Control Number:

42991

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 Courses & Requirements

Major Requirements (Total 28-29.5)

**Complete the following number of credits: 28-29.5**

**Complete all the following 17**

<b>ACCT101</b>	Financial Accounting	4
ACCT102	Managerial Accounting	4
BUS105	Legal Environment of Business	3 ECON101
Principles/Micro		3 ECON102
Principles/Macro		3

**Select One (1) Course (Total 4-13)**

**Complete at least one of the following rules**

<b>MATH150</b>	Calculus for Biological, Management, and Social Sciences	5 MATH180
	Single Variable Calculus I	4 MATH180H
	Honors Single Variable Calculus I	4

**Select One (1) Course (Total 4-12.5)**

**Complete at least one of the following rules**

<b>MATH219</b>	Statistics and Probability	4 MATH219H
	Honors Statistics and Probability	4 MATH220
	Statistics and Probability with Integrated Review	4.5

**Select One (1) Course (Total 3-6)**

**Complete at least one of the following rules**

<b>BUS100</b>	Fundamentals of Business	3
BUS222	Business Writing	3

## BUSINESS ADMINISTRATION, AS

A.S. Degree Major

### Control Number:

11857

The Associate of Science degree in Business Administration enables students to transfer to a four-year institution leading to a baccalaureate degree. Career opportunities exist in many areas of business administration such as accounting, financial planning and analysis, financial service specialties, management, marketing and sales, production and logistics, and systems and technology development.

### Program Courses & Requirements

Business Administration, AS (Total 26-28)

**Complete all of the following**

Major requirements: (Total 23)

**Complete the following number of credits: 23**

<b>ACCT101</b>	Financial Accounting	4
ACCT102	Managerial Accounting	4
BUS105	Legal Environment of Business	3
BUS150	Introduction to Information Systems and Applications	3
BUS222	Business Writing	ECON101
Principles/Micro		3 ECON102
Principles/Macro		3

**Select one (1) course from the following: (Total 3-5)**

**Complete the following number of credits: 3-5**

**Complete all of the following (Total 14)**

<b>BUS100</b>	Fundamentals of Business	3 MATH150
	Calculus for Biological, Management and Social Sciences	5
MKTG113	Principles of Marketing	3
ACCT100	Accounting for Small Business	3

**Complete at least one of the following rules (Total 3-6)**

<b>BUS120</b>	Principles of Management	3
MGMT120	Principles of Management	3



## BUSINESS ADMINISTRATION, AS-T

A.S. Degree for Transfer

### Control Number:

31365

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 Courses & Requirements

Business Administration, AS-T (Total 28-29.5)

#### Complete all of the following

Major Requirements: (Total 17)

**Complete the following number of credits: 17**

<b>ACCT101</b>	Financial Accounting	4
<b>ACCT102</b>	Managerial Accounting	4
<b>BUS105</b>	Legal Environment of Business	3 ECON101
	Principles/Micro	3 ECON102
	Principles/Macro	3

#### Select one (1) course: (Total 4-5)

**Complete the following number of credits: 4-5**

<b>MATH150</b>	Calculus for Biological, Management, and Social Sciences	5 MATH180
	Single Variable Calculus I	4 MATH180H
	Honors Single Variable Calculus I	4

#### Select one (1) course: (Total 4 - 4.5)

**Complete the following number of credits: 4-4.5**

<b>MATH219</b>	Statistics and Probability	4 MATH219H
	Honors Statistics and Probability	4 MATH220
	Statistics and Probability with Integrated Review	4.5

#### Select one (1) course: (Total 3)

**Complete the following number of credits: 3**

<b>BUS100</b>	Fundamentals of Business	3
<b>BUS222</b>	Business Writing	3

## BUSINESS INFORMATION WORKER, CERT

Certificate of Proficiency

### Control Number:

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 Courses & Requirements

Business Information Worker, CERT (Total 12)

**Complete the following number of credits: 12**

**CIS101** Introduction to Microsoft Office 3

**Complete at least one of the following rules (Total 3-6)**

**BUS121** Human Relations and Organizational Behavior 3

**MGMT121** Human Relations and Organizational Behavior 3

**Complete at least one of the following rules (Total 3-6)**

**BUS150** Introduction to Information Systems and Applications 3

**CMPR100** The Computer and Society 3

**Complete at least one of the following rules (Total 3-6)**

**BUS222** Business Writing 3

**MGMT122** Business Communications 3

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## BUSINESS MANAGEMENT, AS

A.S. Degree Major

### Control Number:

The Associate of Science degree in Business Management is designed to enable students to handle basic problems encountered in managing within a business environment including the managing of a marketing program, the making of decisions and problem solving, the coordinating of activities, the influencing of staff, and the understanding of finance. Entry-level careers include management trainees and assistant managers or supervisors.

### Program Courses & Requirements

Business Management, AS (Total 21-22)

#### Complete all of the following

Major requirements: (Total 15-16)

**Complete the following number of credits: 15-16**

**Complete at least one of the following rules (Total 3-7)**

<b>ACCT100</b>	Accounting for Small Business	3
ACCT101	Financial Accounting	4
BUS100	Fundamentals of Business	3

**Complete at least one of the following rules (Total 3-6)**

<b>BUS120</b>	Principles of Management	3
MGMT120	Principles of Management	3

**Complete all of the following (Total 6)**

<b>BUS222</b>	Business Writing	3
MKTG113	Principles of Marketing	3

**Select two (2) courses from the following: (Total 6)**

**Complete the following number of credits: 6**

**Complete all of the following (Total 12)**

<b>BUS105</b>	Legal Environment of Business	3
BUS127	Introduction to E-Commerce	3
BUS150	Introduction to Information Systems and Applications	3

**Complete at least one of the following rules (Total 3-6)**

<b>BUS121</b>	Human Relations and Organizational Behavior	3
MGMT121	Human Relations and Organizational Behavior	3

## BUSINESS MANAGEMENT, CERT

Certificate of Proficiency

### Control Number:

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 Courses & Requirements

Business Management, CERT (Total 12-13)

#### Complete all of the following

Certificate requirements: (Total 9-10)

**Complete the following number of credits: 9-10**

**Complete at least one of the following rules (Total 3-7)**

<b>ACCT100</b>	Accounting for Small Business	3
ACCT101	Financial Accounting	4

**Complete at least one of the following rules (Total 3-6)**

<b>BUS150</b>	Introduction to Information Systems and Applications	3
CMPR100	The Computer and Society	3

**Complete at least one of the following rules (Total 3-6)**

<b>BUS222</b>	Business Writing	3
MGMT122	Business Communications	3

**Select one (1) course from the following: (Total 3)**

**Complete the following number of credits: 3**

**BUS100** Fundamentals of Business 3

**Complete at least one of the following rules (Total 3-6)**

**BUS120** Principles of Management 3

**MGMT120** Principles of Management 3

## Child Development

### CHILD GROWTH AND DEVELOPMENT (DS1)

#### CDEV107: 3.0 Units

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.

#### Requisites:

##### Anti-Requisite

**PSYC157** Introduction to Child Psychology

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area D: Social Sciences
- Area E1: Lifelong Learning

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### Santa Ana College - Shared Course

- Shared Course with SAC

#### Course Identifier (C-ID)

- Child Development

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## OBSERVATION AND ASSESSMENT FOR EARLY LEARNING AND DEVELOPMENT (DS3)

#### CDEV108: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**CDEV107** Child Growth and Development (DS1) or concurrent enrollment

#### General Education Plan:

##### Course Identifier (C-ID)

- Early Childhood Education

#### Santa Ana College - Shared Course

- Shared Course with SAC



## OBSERVATION AND ASSESSMENT IN TRANSITIONAL KINDERGARTEN AND KINDERGARTEN

### CDEV108B: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**CDEV107** Child Growth and Development (DS1)

##### AND

##### Prerequisite

**CDEV110** Child, Family and Community (DS2)

## CHILD, FAMILY AND COMMUNITY (DS2)

### CDEV110: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

##### CSU GE - Plan B

- Area D: Social Sciences

#### Course Identifier (C-ID)

- Child Development

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN

### CDEV111A: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**CDEV107** Child Growth and Development (DS1)

##### AND

##### Prerequisite

**CDEV108** Observation and Assessment for Early Learning and Development (DS3)

#### General Education Plan:

##### Course Identifier (C-ID)

- Early Childhood Education

#### Santa Ana College - Shared Course

- Shared Course with SAC

## INTRODUCTION TO CURRICULUM FOR YOUNG CHILDREN

### CDEV111B: 3.0 Units

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.

#### 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

#### General Education Plan:

##### Course Identifier (C-ID)

- Early Childhood Education

#### Santa Ana College - Shared Course

- Shared Course with SAC





## HEALTH, SAFETY AND NUTRITION FOR CHILDREN

### CDEV112: 3.0 Units

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.

#### Requisites:

##### Advisory

**CDEV107** Child Growth and Development (DS1)

##### AND

##### Advisory

**CDEV110** Child, Family and Community (DS2)

#### General Education Plan:

##### Course Identifier (C-ID)

- Early Childhood Education

#### Santa Ana College - Shared Course

- Shared Course with SAC

## INFANT/TODDLER GROWTH AND DEVELOPMENT (DS4)

### CDEV116A: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**CDEV107** Child Growth and Development (DS1)

##### AND

##### Prerequisite

**CDEV108** Observation and Assessment for Early Learning and Development (DS3)

#### General Education Plan:

#### Santa Ana College - Shared Course

- Shared Course with SAC

## CARE AND EDUCATION FOR INFANTS AND TODDLERS (DS3)

### CDEV116B: 3.0 Units

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.

#### 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

#### Limitations on Enrollment:

- Concurrent enrollment

## PRESCHOOL AND EARLY PRIMARY DEVELOPMENT (TK) (DS5)

### CDEV123A: 3.0 Units

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.

#### Requisites:

##### Advisory

**CDEV107** Child Growth and Development (DS1)

##### AND

##### Advisory

**CDEV110** Child, Family and Community (DS2)



## TRANSITIONAL KINDERGARTEN AND EARLY PRIMARY TEACHING, PRINCIPLE AND PRACTICES (DS5)

### CDEV123B: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**CDEV123A** Preschool and Early Primary Development (TK) (DS5)

Previous or concurrent enrollment

#### Limitations on Enrollment:

- Concurrent enrollment

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC

## TECHNOLOGY AND MEDIA IN EARLY LEARNING ENVIRONMENTS

### CDEV201: 3.0 Units

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

#### Requisites:

None

## INTRODUCTION TO CHILDREN FROM SPECIAL POPULATIONS

### CDEV202: 3.0 Units

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 202, Introduction to Children with Special Needs (2022)

#### Requisites:

##### Advisory

**CDEV107** Child Growth and Development (DS1)

## CURRICULUM AND INTERVENTION STRATEGIES FOR SPECIAL POPULATIONS

### CDEV203: 3.0 Units

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)

#### 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)

## EDUCATION AND COLLABORATION OF CARE FOR SPECIAL POPULATIONS

### CDEV204: 3.0 Units

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 of their children. Field trips may be required. Vaccinations as mandated by state statutes are required.

#### Requisites:

##### Prerequisite

**CDEV202** Introduction to Children from Special Populations

## LANGUAGE AND LITERACY DEVELOPMENT IN EARLY CHILDHOOD

### CDEV212A: 3.0 Units

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.

#### Requisites:

##### Advisory

**CDEV107** Child Growth and Development (DS1)

##### AND

##### Advisory

**CDEV110** Child, Family and Community (DS2)

## TEACHING STRATEGIES, MATERIALS, AND ASSESSMENTS FOR LANGUAGE DEVELOPMENT

### CDEV212B: 3.0 Units

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, preschool, transitional kindergarten, and early-primary teachers. CDEV 212A must be completed before 212B. Field trips and fieldwork assignments may be required.

#### Requisites:

##### Advisory

**CDEV212A** Language and Literacy Development in Early Childhood



## ENGLISH AND MULTI-LANGUAGE LEARNERS IN EARLY CHILDHOOD EDUCATION

### CDEV213: 3.0 Units

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.

#### Requisites:

##### Advisory

**CDEV212A** Language and Literacy Development in Early Childhood

##### AND

##### Advisory

**CDEV212B** Teaching Strategies, Materials, and Assessments for Language Development

## ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION (DS6)

### CDEV215: 3.0 Units

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.

#### Requisites:

##### Advisory

Twelve (12) units in early childhood education

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

## ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION (DS6)

### CDEV216: 3.0 Units

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.

#### Requisites:

##### Advisory

**CDEV215** Administration I: Programs in Early Childhood Education (DS6)

##### Advisory

**Twelve (12) units in early childhood education**

## CREATIVE MUSIC AND PERFORMING ARTS FOR EARLY LEARNERS

### CDEV217: 3.0 Units

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.

#### Requisites:

None

## VISUAL ART EXPERIENCES FOR EARLY LEARNING ENVIRONMENTS

### CDEV218: 3.0 Units

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.

#### Requisites:

None

## LIVING AND TEACHING IN A DIVERSE SOCIETY

### CDEV221: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### Course Identifier (C-ID)

- Early Childhood Education

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences



## TRAUMA-INFORMED TEACHING AND CARE IN EARLY CHILDHOOD SETTINGS

### CDEV222: 3.0 Units

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.

#### Requisites:

##### Advisory

**CDEV107** Child Growth and Development (DS1)

##### AND

##### Advisory

**CDEV110** Child, Family and Community (DS2)

## BRAIN DEVELOPMENT AND LEARNING

### CDEV229: 2.0 Units

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. By the third week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

#### Requisites:

None

## BRAIN-COMPATIBLE GUIDANCE AND BEHAVIOR MANAGEMENT IN EARLY LEARNING ENVIRONMENTS

### CDEV233: 3.0 Units

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)

#### 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

## BRAIN-COMPATIBLE GUIDANCE AND CLASSROOM MANAGEMENT FOR SOCIAL-EMOTIONAL DEVELOPMENT THROUGH THE PRIMARY YEARS

### CDEV234: 3.0 Units

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).

#### Requisites:

None

## ENGINEERING, MATH, AND SCIENCE STRATEGIES FOR PRIMARY LEARNING ENVIRONMENTS

### CDEV236: 3.0 Units

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.

#### Requisites:

None

## ADULT SUPERVISION AND MENTORING IN EARLY LEARNING AND EDUCATION PROGRAMS

### CDEV260: 3.0 Units

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)

#### 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)



## REFLECTIVE PRACTICE - ANALYZING AND APPLYING TEACHER STRATEGIES IN THE CLASSROOM REFLECTIVE PRACTICE

### CDEV297: 3.0 Units

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)

#### 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)

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC

## PRACTICUM IN EARLY CHILDHOOD PROGRAMS

### CDEV298A: 3.5 Units

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.

#### 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

#### General Education Plan:

##### Course Identifier (C-ID)

- Early Childhood Education

##### Santa Ana College - Shared Course

- Shared Course with SAC

## PRACTICUM IN INFANT/TODDLER PROGRAMS

### CDEV298B: 3.5 Units

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.

#### Requisites:

##### Prerequisite

**CDEV110** Child, Family and Community (DS2)

##### Prerequisite

**CDEV112** Health, Safety and Nutrition for Children

##### Prerequisite

**CDEV116B** Care and Education for Infants and Toddlers (DS3)

##### Prerequisite

**CDEV221** Living and Teaching in a Diverse Society

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC

## COOPERATIVE WORK EXPERIENCE EDUCATION

### CDEV299: 4.0 Units

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

#### Requisites:

None

#### Transferability & General Education Options



# Chemistry

## INTRODUCTORY CHEMISTRY

### CHEM100: 4.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from the mathematics placement process.

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

#### Course Identifier (C-ID)

- Chemistry

##### Local - Plan D

- Area EI - Physical Sciences

## GENERAL CHEMISTRY A

### CHEM200A: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**CHEM100** Introductory Chemistry

##### OR

##### Prerequisite

Passing score on the chemistry placement test

##### OR

##### Prerequisite

Score of 3 or higher on the AP Chemistry Exam

##### AND

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from the mathematics placement process.

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

#### Course Identifier (C-ID)

- Chemistry

##### Local - Plan D

- Area EI - Physical Sciences



## HONORS GENERAL CHEMISTRY A

### CHEM200AH: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**CHEM100** Introductory Chemistry

##### OR

##### Prerequisite

Passing score on the chemistry placement exam

##### OR

##### Prerequisite

Score of 3 or higher on the AP chemistry test

##### AND

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from the mathematics placement process.

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

##### Course Identifier (C-ID)

- Chemistry

##### Local - Plan D

- Area E1 - Physical Sciences

## GENERAL CHEMISTRY B

### CHEM200B: 5.0 Units

Continuation of Chemistry 200A, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.

#### Requisites:

##### Prerequisite

**CHEM200A** General Chemistry A

##### OR

##### Prerequisite

**CHEM200AH** Honors General Chemistry A

#### General Education Plan:

##### CSU GE - Plan B

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

#### Course Identifier (C-ID)

- Chemistry

##### Local - Plan D

- Area E1 - Physical Sciences

## ORGANIC CHEMISTRY A

### CHEM280A: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**CHEM200B** General Chemistry B

#### General Education Plan:

##### Course Identifier (C-ID)

- Chemistry

## ORGANIC CHEMISTRY B

### CHEM280B: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**CHEM280A** Organic Chemistry A

#### General Education Plan:

##### Course Identifier (C-ID)

- Chemistry



# Chinese

## ELEMENTARY CHINESE I

### CHNSI01: 5.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 6: Language Other than English

Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## ELEMENTARY CHINESE II

### CHNSI02: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**CHNSI01** Elementary Chinese I or two years of high school Chinese with a grade of C or better

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities
- Area 6: Language Other than English

**Santa Ana College - Shared Course**

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

# Cinema

## HISTORY OF FILM TO 1945

### CINEI03: 3.0 Units

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)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C1: Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A: Arts

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area C2 - Humanities

## HISTORY OF FILM FROM 1945 TO PRESENT

### CINEI04: 3.0 Units

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)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C1: Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A: Arts

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area C2 - Humanities





## MASS MEDIA AND SOCIETY

### CINE105: 3.0 Units

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)

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area D: Social Sciences

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Journalism

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences
- Area C1 - Art

## GREAT DIRECTORS

### CINE107: 3.0 Units

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C1: Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3A: Arts

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Local - Plan D**

- Area C2 - Humanities

## FILM GENRES

### CINE108: 3.0 Units

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C1: Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3A: Arts

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Local - Plan D**

- Area C2 - Humanities

## SCREENWRITING FOR DIGITAL MEDIA

### CINE122: 3.0 Units

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)

**Requisites:**

None

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

## INTRODUCTION TO DIGITAL MEDIA PRODUCTION

### CINE124: 3.0 Units

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)

**Requisites:**

None

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

## FILM APPRECIATION

### CINE130: 3.0 Units

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.

**Requisites:**

None

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses



## FILM/TV PRODUCING I

### CINE150A: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

## FILM/TV PRODUCING II

### CINE150B: 3.0 Units

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.

#### Requisites:

##### Advisory

CINE150A Film/TV Producing I

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

# Computer Info Systems

## INTRODUCTION TO ENTERPRISE RESOURCE PLANNING

### CIS098B: 3.0 Units

This course introduces students to the fundamentals of Enterprise Resource Planning (ERP). This course focuses on the fundamentals of ERP -- ERP technology, business process re-engineering, ERP life cycle, ERP security, and cloud computing. This course is preparation for employment in the ERP field.

#### Requisites:

None

## ENTERPRISE RESOURCE PLANNING: BUSINESS ANALYST

### CIS098C: 3.0 Units

The second course in Enterprise Resource Planning that prepares students for jobs as a Business Analyst in the ERP field. Students will be using Oracle Netsuite.

#### Requisites:

None

## INDUSTRIAL AND SOCIAL COLLABORATIVE ROBOT PROGRAMMING

### CIS098D: 3.0 Units

Introduction to the planning, use, and programming of collaborative robots.

#### Requisites:

None

## INTRODUCTION TO MICROSOFT OFFICE

### CIS101: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

## MICROSOFT WORD

### CIS103: 3.0 Units

Step-by-step procedures are taught for creating, editing, and printing business documents with Microsoft Word.

#### Requisites:

None

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

## INTRODUCTION TO MICROSOFT EXCEL

### CIS105: 1.5 Units

Introduction to Excel spreadsheets including formatting, graphics, and formulas common to business applications. Prepares student for MS Excel Certification.

#### Requisites:

None

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

## MICROSOFT EXCEL

### CIS106: 3.0 Units

Introduction to Microsoft Excel and how it facilitates solving business problems. Covers data management and reporting using spreadsheets, charts, database tools and macros.

#### Requisites:

None

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

## MICROSOFT ACCESS

### CIS108: 3.0 Units

Relational Database Management using Microsoft Access. Includes design, creation and maintenance of a Relational Database Management System (RDBMS), reports and form generation, queries, importing and exporting data, macros and modules using Access.

#### Requisites:

None

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

## INTRODUCTION TO MICROSOFT PROJECT

### CIS110: 3.0 Units

Provides basic knowledge of how to plan a project, identify and create tasks, estimate workloads and duration, setup project schedules, maintain the schedule, assign resources, connect resources to tasks, setup a project budget, track progress utilize reports and close a project using Microsoft Project software.

#### Requisites:

##### Anti-Requisite

PBLC110 Introduction to Microsoft Project

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses



## PYTHON PROGRAMMING

### CIS111: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking

## INTRODUCTION TO IOS/IPHONE MOBILE APP DEVELOPMENT

### CIS159: 3.0 Units

Introduction to mobile application development for iPhones and other iOS devices using beginning programming concepts and skills.

#### Requisites:

None

## ADVANCED IOS/IPHONE MOBILE APP DEVELOPMENT

### CIS259: 3.0 Units

Advanced techniques for mobile application development for iPhones and other iOS devices using Objective-C programming.

#### Requisites:

##### Advisory

**CIS159** Introduction to iOS/iPhone Mobile App Development or similar programming experience

# Criminal Justice

## INTRODUCTION TO CRIMINAL JUSTICE

### CJ101: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Administration of Justice

#### Santa Ana College - Shared Course

- Shared Course with SAC

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

# Computer Science

## THE COMPUTER AND SOCIETY

### CMPRI00: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking

#### Santa Ana College - Shared Course

- Shared Course with SAC

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## VISUAL BASIC PROGRAMMING

### CMPRI05: 3.0 Units

Introduction to programming and Visual BASIC. Emphasis on programming fundamentals and the creation of applications with Visual BASIC. No previous programming experience is required.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking

#### Santa Ana College - Shared Course

- Shared Course with SAC

## JAVA PROGRAMMING

### CMPRI12: 3.0 Units

Introduction to object-oriented program design. Overview of the Java programming language, including developing applications for web pages and stand-alone applications.

#### Requisites:

None

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC



## INTRODUCTION TO PROGRAMMING

### CMPRI20: 3.0 Units

Introduction to programming concepts including data types, mathematical operations, elementary input/output, and the basic control structures of sequence, selection, iteration and functions. Program design techniques utilizing structured and object-oriented methodologies will be emphasized.

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from the mathematics placement process.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Santa Ana College - Shared Course

- Shared Course with SAC

## PROGRAMMING CONCEPTS

### CMPRI21: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**CMPRI20** Introduction to Programming

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Santa Ana College - Shared Course

- Shared Course with SAC

## PROGRAMMING CONCEPTS AND METHODOLOGY I

### CMPRI22: 3.0 Units

Introduces the discipline of computer science using a high-level language, utilizing programming and practical hands-on problem solving. This is the first course in a sequence of courses that is compliant with the standards of the Association for Computing Machinery (ACM).

#### Requisites:

##### Advisory

**CMPRI20** Introduction to Programming

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Computer Science

## INTRODUCTION TO COMPUTER ORGANIZATION

### CMPRI29: 4.0 Units

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.

#### Requisites:

##### Advisory

**CMPRI20** Introduction to Programming or equivalent

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Santa Ana College - Shared Course

- Shared Course with SAC

## DATA STRUCTURES CONCEPTS

### CMPRI31: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**CMPRI21** Programming Concepts

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Santa Ana College - Shared Course

- Shared Course with SAC



## PROGRAMMING CONCEPTS AND METHODOLOGY II

### CMPRI32: 3.0 Units

Application of software engineering techniques to the design and development of large programs: data abstraction and structures and associated algorithms. This is the second course in a sequence of courses that is compliant with the standards of the Association of Computing Machinery (ACM).

#### Requisites:

##### Prerequisite

**CMPRI22** Programming Concepts and Methodology I

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Computer Science

## DISCRETE STRUCTURES FOR COMPUTER SCIENCE

### CMPRI49: 3.0 Units

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).

#### Requisites:

##### Prerequisite

**CMPRI22** Programming Concepts and Methodology I

#### AND

##### Advisory

**MATH105** Mathematics for Liberal Arts Students

#### OR

##### Advisory

**MATH140** College Algebra

#### OR

##### Advisory

**MATH219** Statistics and Probability

#### OR

##### Advisory

**MATH219H** Honors Statistics and Probability

#### OR

##### Advisory

**MATH220** Statistics and Probability with Integrated Review

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Computer Science

## COMPUTER ARCHITECTURE AND ORGANIZATION

### CMPRI54: 3.0 Units

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).

#### Requisites:

##### Advisory

**CMPRI22** Programming Concepts and Methodology I

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Computer Science

#### Santa Ana College - Shared Course

- Shared Course with SAC

## INTRODUCTION TO ROBOTICS

### CMPRI57: 3.0 Units

Introduction to Robotics Programming using the LEGO Mindstorms platform. Basic mechanical, electronics, and control issues in Robotics are discussed, including the design and implementation of robotic systems. Students program a robot using several programming languages including the LEGO "NXT-G" programming language, as well as Robot C. Previous Title: Introduction to Robotics Programming (2016)

#### Requisites:

None

## C# PROGRAMMING

### CMPRI213: 3.0 Units

Study of C# programming. Topics covered include the .NET environment, object-oriented programming, relational databases, and creation of graphical user interfaces.

#### Requisites:

##### Advisory

**CMPRI21** Programming Concepts

#### General Education Plan:

##### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC



## EDUCATION AND CAREER ASSESSMENT

### CNG303: 3.0 Hours

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.

#### Requisites:

None

# Counseling

## EDUCATIONAL, PERSONAL, CULTURAL, AND CAREER EXPLORATION

### CNSLI01: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning

## INQUIRIES INTO HIGHER EDUCATION

### CNSLI06: 1.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC

## UNIVERSITY TRANSFER RESEARCH

### CNSLI10: 2.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC

## LEARNING SKILLS DEVELOPMENT

### CNSLI1: 1.0 Units

Application of educational/psychological principles in the development of effective learning skills for college courses. Topics also include identifying diversities of cultural influence, learning style, time management, textbook study/comprehension, note-taking, research preparation, and testing.

#### Requisites:

None

#### General Education Plan:

##### Santa Ana College - Shared Course

- Shared Course with SAC

## LEARNING STRATEGIES FOR COLLEGE SUCCESS

### CNSLI13: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning

## CAREER/LIFE PLANNING AND PERSONAL EXPLORATION

### CNSLI16: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning

## SELF EXPLORATION AND THE TEACHING PROFESSION

### CNSLI18: 2.0 Units

An exploration of "self" through a reflective process that focuses on values, interests, skills and personality as applied to the teaching profession and alternate professional choices. Topics include personal effectiveness, increasing cultural sensitivity, psychological and sociological forces within the workplace, career ladders and options, and academic preparation required for employment. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, career and life plans. Materials fee required.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning



## INTRODUCTION TO HUMAN SERVICES

### CNSLI50: 3.0 Units

The history and philosophy of human services including theoretical frameworks, the function and orientation of human services organizations and the roles and qualifications of human services workers. A study of the target populations served by the human services and the professional, ethical and cultural issues facing the human services field.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

## PHILOSOPHY OF HELPING

### CNSLI52: 3.0 Units

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, students will develop a personal philosophy of helping that is critical and reflective.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

#### Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## FIELDWORK EXPERIENCE FOR THE HELPING PROFESSIONS

### CNSLI60: 3.0 Units

Fieldwork experience provides the opportunity for students to incorporate academic knowledge learned in Counseling 150 and gain life-long skills through supervised training hours in a helping professions setting. Integration of problem solving, reflection and self-evaluations with instructor, supervisor and peers will help students gain insight on their future role as helping professions practitioners. With the approval of instructor, students will select their fieldwork placement that supports their career goals.

#### Requisites:

##### Prerequisite

**CNSLI 50** Introduction to Human Services



## THE HELPING PROFESSIONS SEMINAR

### CNSLI60A: 1.0 Units

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.

#### Requisites:

##### Prerequisite

**CNSLI150** Introduction to Human Services

##### AND

##### Co-Requisite

**CNSLI60B**

##### AND

##### Prerequisite

**PSYC100** Introduction to Psychology

##### OR

##### Prerequisite

**PSYC100H** Honors Introduction to Psychology

##### OR

##### Prerequisite

**SOC100** Introduction to Sociology

##### OR

##### Prerequisite

**SOC100H** Honors Introduction to Sociology

#### General Education Plan:

##### Course Identifier (C-ID)

- Social Work and Human Services

## FIELDWORK EXPERIENCE FOR THE HELPING PROFESSIONS

### CNSLI60B: 2.0 Units

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.

#### Requisites:

##### Prerequisite

**CNSLI150** Introduction to Human Services

##### AND

##### Co-Requisite

**CNSLI60A**

##### AND

##### Prerequisite

**PSYC100** Introduction to Psychology

##### OR

##### Prerequisite

**PSYC100H** Honors Introduction to Psychology

##### OR

##### Prerequisite

**SOC100** Introduction to Sociology

##### OR

##### Prerequisite

**SOC100H** Honors Introduction to Sociology

#### General Education Plan:

##### Course Identifier (C-ID)

- Social Work and Human Services

## PHILOSOPHY OF HELPING

### CNSLI98: 3.0 Units

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.

#### Requisites:

None





# Communications

## INTRODUCTION TO INTERPERSONAL COMMUNICATION

### COMM100: 3.0 Units

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.

**Requisites:**

**Advisory**

**ENGL100** Freshman Composition with Integrated Support

**OR**

**Advisory**

**ENGL101** Freshman Composition

**OR**

**Advisory**

**ENGL101H** Honors Freshman Composition

**General Education Plan:**

**Local - Plan A**

- Area G3: Oral Communication Proficiency

**CSU GE - Plan B**

- Area A1: Oral Communication

**IGETC - Plan C**

- Area 1C: Oral Communication

**Course Identifier (C-ID)**

- Communication Studies

**Local - Plan D**

- Area A3 - Oral Communication

## HONORS INTRODUCTION TO INTERPERSONAL COMMUNICATION

### COMM100H: 3.0 UNITS

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.

**Requisites:**

**Advisory**

**ENGL100** Freshman Composition with Integrated Support

**OR**

**Advisory**

**ENGL101** Freshman Composition

**OR**

**Advisory**

**ENGL101H** Honors Freshman Composition

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area G3: Oral Communication Proficiency

**CSU GE - Plan B**

- Area A1: Oral Communication

**IGETC - Plan C**

- Area 1C: Oral Communication

**Course Identifier (C-ID)**

- Communication Studies

**Local - Plan D**

- Area A3 - Oral Communication

## GROUP DYNAMICS

### COMM101: 3.0 Units

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area G3: Oral Communication Proficiency

**CSU GE - Plan B**

- Area A1: Oral Communication

**IGETC - Plan C**

- Area 1C: Oral Communication

**Course Identifier (C-ID)**

- Communication Studies

## PUBLIC SPEAKING

### COMM110: 3.0 Units

Teaches critical thinking skills in relation to public speaking. Emphasis on the process, principles and major facets of critical thinking with practice through oral presentations.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area G3: Oral Communication Proficiency

**CSU GE - Plan B**

- Area A1: Oral Communication

**IGETC - Plan C**

- Area 1C: Oral Communication

**Course Identifier (C-ID)**

- Communication Studies



## ARGUMENTATION AND DEBATE

### COMM111: 3.0 Units

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.

#### Requisites:

##### Advisory

**ENGL100** Freshman Composition with Integrated Support

##### OR

##### Advisory

**ENGL101** Freshman Composition

##### OR

##### Advisory

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G3: Oral Communication Proficiency

##### CSU GE - Plan B

- Area A1: Oral Communication
- Area A3: Critical Thinking

##### IGETC - Plan C

- Area 1C: Oral Communication

#### Course Identifier (C-ID)

- Communication Studies

##### Local - Plan D

- Area A2 - Critical Thinking/Composition
- Area A3 - Oral Communication

## INTERCULTURAL COMMUNICATION

### COMM120: 3.0 Units

A general view of the sociological, psychological, and communication patterns of major cultural groups. Special emphasis on the methods, skills, and techniques necessary for effective intercultural and crosscultural communication.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

#### Course Identifier (C-ID)

- Communication Studies

## HONORS INTRODUCTION TO INTERCULTURAL COMMUNICATION

### COMM120H: 3.0 Units

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.

#### Requisites:

None

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

#### Course Identifier (C-ID)

- Communication Studies

## FORENSICS TEAM

### COMM130: 4.0 - 6.0 Units

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.

#### Requisites:

None

## ORAL INTERPRETATION

### COMM134: 3.0 Units

Performance of prose, poetry, and drama; practice in speaking, interpretation, and analysis of literature, with training in the principles of effective delivery.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area G3: Oral Communication Proficiency

#### Course Identifier (C-ID)

- Communication Studies

## READERS' THEATRE

### COMM135: 3.0 Units

Research, construct, rehearse, and perform interpretation of literature in an ensemble theatrical setting. Learn basic elements of choral reading, singing, and movement.

#### Requisites:

None



## GENDER COMMUNICATION

### COMM225: 3.0 Units

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.

#### 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

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

## HONORS GENDER COMMUNICATION

### COMM225H: 3.0 Units

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.

#### 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

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

## ADVANCED FORENSICS TEAM

### COMM230: 4.0 - 6.0 Units

This course is designed to prepare students to participate at an advanced level in intercollegiate speech competition. Includes instruction and direction for the junior competition of interpretation of literature programs, limited preparation speeches, readers' theater, public debate, and general public address. Focuses on mentoring and coaching novice members. Students are required to participate in off-campus forensics events.

#### Requisites:

##### Advisory

**COMM130** Forensics Team

## Citizenship

### CITIZENSHIP

#### CTZN020: 72.0 Hours

Provides basic knowledge of local, state, and federal government in preparation for the United States citizenship examination including language usage within the context of history and government. Open Entry/Open Exit

#### Requisites:

##### Advisory

**ESL303** Intermediate Low

ESL303 or Higher.



## CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH (CSU), CA

Certificate of Achievement

**Control Number:**

18117

Complete all CSU General Education Breadth Requirements (Plan B) to a minimum of 39 units.

### Program Courses & Requirements

CSU GE Breadth Courses

Certificate of Achievement

**Certificate requirements:** **39.0 Credits**

CSU GE Breadth Courses 39.0

**TOTAL CREDITS 39.0**

## CAREGIVER / PERSONAL CARE AIDE, CC

Certificate of Completion

**Control Number:**

36901

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 Courses & Requirements

Caregiver / Personal Care Aide, CC (Total 60)

**Complete the following number of credits:** **60**

**VMED030** Introduction to Caregiving 20 VMED031

Caregiver Training 40

## CARPENTER, CC

Certificate of Completion

**Control Number:**

24097

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 Courses & Requirements

Carpenter, CC (Total 360)

**Complete the following number of credits:** **360**

**VCNST859** Introduction to Cabinetry/Furniture Refinishing Pre-Apprentice 180

VCNST953 Fundamentals of Cabinetry/Furniture Refinishing, Pre-Apprentice 180

## CHEMISTRY, AS

A.S. Degree Major

**Control Number:**

11933

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 Courses & Requirements

Chemistry, AS (Total 24)

**Complete the following number of credits:** **24**

**Complete at least one of the following rules (Total 5-10)**

**CHEM200A** General Chemistry A 5

**CHEM200AH** Honors General Chemistry A 5

**Complete all of the following (Total 15)**

**CHEM200B** General Chemistry B 5

CHEM280A Organic Chemistry A 5

CHEM280B Organic Chemistry B 5

**Complete at least one of the following rules (Total 4-8)**

**MATH180** Single Variable Calculus I 4 MATH180H

Honors Single Variable Calculus I 4

## CHEMISTRY, AS-UCTP

A.S. Degree for Transfer

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 Courses & Requirements

Chemistry, AS-UCTP (Total 50-52)

**Complete all of the following**

**GENERAL CHEMISTRY SEQUENCE (TOTAL 10)**

**Complete the following number of credits:** **10**

**Complete at least one of the following rules (Total 5-10)**

**CHEM200A** General Chemistry A 5

CHEM200AH Honors General Chemistry A 5

CHEM200B General Chemistry B 5

**ORGANIC CHEMISTRY SEQUENCE (TOTAL 10)**

**Complete the following number of credits:** **10**

**CHEM280A** Organic Chemistry A 5

CHEM280B Organic Chemistry B 5

**MATH REQUIREMENT (TOTAL 15-17)**

**Complete the following number of credits:** **15-17**

**Complete at least one of the following rules (Total 4-8)**

**MATH180** Single Variable Calculus I 4 MATH180H

Honors Single Variable Calculus I 4 MATH185

Single Variable Calculus II 4 MATH280

Intermediate Calculus 4

**Complete at least one of the following rules (Total 3-8)**

**MATH287** Introduction to Linear Algebra and

Differential Equations 5 MATH295

Differential Equations 3



**PHYSICS SEQUENCE (TOTAL 15)**  
**Complete the following number of credits: 15**

<b>PHYS250A</b> Physics for Scientists and Engineers I	5
PHYS250B Physics for Scientists and Engineers II	5
PHYS250C Physics for Scientists and Engineers III	5

**Recommended Sequence**

**Chemistry, AS-UCTP**

<b>Fall of first year</b>	<b>Credits</b>
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**Take one of the following:**

<b>CHEM200A</b> General Chemistry A	5.0
CHEM200AH Honors General Chemistry A	5.0

**Take one of the following:**

<b>MATH180</b> Single Variable Calculus I	4.0	MATH180H
Honors Single Variable Calculus I	4.0	

<b>TOTAL CREDITS</b>	<b>9.0</b>
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<b>Spring of first year</b>	<b>Credits</b>
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**General Chemistry Sequence**

<b>CHEM200B</b> General Chemistry B	5.0
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**Math Requirement**

<b>MATH185</b> Single Variable Calculus II	4.0
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<b>TOTAL CREDITS</b>	<b>9.0</b>
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<b>Summer of first year</b>	<b>Credits</b>
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**Physics Sequence**

<b>PHYS250A</b> Physics for Scientists and Engineers I	5.0
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<b>TOTAL CREDITS</b>	<b>5.0</b>
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<b>Fall of second year</b>	<b>Credits</b>
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**Organic Chemistry Sequence**

<b>CHEM280A</b> Organic Chemistry A	5.0
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**Math Requirement**

<b>MATH280</b> Intermediate Calculus	4.0
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**Physics Sequence**

<b>PHYS250B</b> Physics for Scientists and Engineers II	5.0
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<b>TOTAL CREDITS</b>	<b>14.0</b>
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<b>Spring of second year</b>	<b>Credits</b>
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**Organic Chemistry Sequence**

<b>CHEM280B</b> Organic Chemistry B	5.0
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**Physics Sequence**

<b>PHYS250C</b> Physics for Scientists and Engineers III	5.0
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**Take one of the following:**

<b>MATH287</b> Introduction to Linear Algebra and Differential Equations	5.0	MATH295
Differential Equations	3.0	

<b>TOTAL CREDITS</b>	<b>13.0-15.0</b>
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**CHILD DEVELOPMENT/EARLY CARE  
EDUCATION\***

**CHILD AND ADOLESCENT DEVELOPMENT,  
AA-T**

A.A. Degree for Transfer

**Control Number:**

35593

The Associate in Arts in Child and Adolescent Development for Transfer (AA-T) prepares a student to enter a California State University (CSU) as a junior to complete a baccalaureate degree in Child Development, Human Development, Child and Adolescent Studies, or Early Childhood Education. Upon completion of the AA-T in Child and Adolescent Development, students will have a general understanding of developmental theories as they pertain to the development, care, and education of young children. Students will demonstrate skill and knowledge in preparing developmentally-appropriate environments, curriculum, and assessments as they work professionally with families and team members and qualify for a Children's Center Permit.

**Program Courses & Requirements**

Child and Adolescent Development, AA-T (Total 19)

**Complete all of the following**

Major requirements: (Total 13)

<b>Complete the following number of credits:</b>	<b>13</b>
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<b>Complete all of the following</b>	<b>(Total 6)</b>
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<b>CDEV107</b> Child Growth and Development (DS1)	3
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CDEV110 Child, Family and Community (DS2)	3
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<b>Complete at least one of the following rules</b>	<b>(Total 4-12)</b>
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<b>MATH219</b> Statistics and Probability	4	MATH219H
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Honors Statistics and Probability	4	MATH220
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Statistics and Probability with Integrated Review	4
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<b>Complete at least one of the following rules</b>	<b>(Total 3-6)</b>
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<b>PSYC100</b> Introduction to Psychology	3
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PSYC100H Honors Introduction to Psychology	3
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**Select two (2) courses from the following (List A): (Total 6)**

<b>Complete the following number of credits:</b>	<b>6</b>
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<b>CDEV108</b> Observation and Assessment for Early Learning and Development (DS3)	3
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CDEV112 Health, Safety and Nutrition for Children	3
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CDEV116A Infant/Toddler Growth and Development (DS4)	3
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CDEV221 Living and Teaching in a Diverse Society	3
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## CITIZENSHIP\*

### CODE ENFORCEMENT OFFICER, CERT

Certificate of Proficiency

#### Control Number:

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 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 Courses & Requirements

Code Enforcement Officer, CERT (Total 4)

**Complete the following number of credits: 4**

<b>PBLC086</b>	Basic Code Enforcement Officer	1
PBLC087	Intermediate Code Enforcement Officer	1
PBLC088	Advanced Code Enforcement Officer	1
PBLC089	Code Enforcement Officer-Supervision	1

### CODE ENFORCEMENT AND COMPLIANCE, AS

A.S. Degree Major

#### Control Number:

37073

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. If approved by the State, this will be the first associate degree of it's kind within the State of California.

#### Program Courses & Requirements

Code Enforcement and Compliance, AS (Total 18)

#### Complete all of the following

Major requirements: (Total 9)

**Complete the following number of credits: 9**

<b>CJ101</b>	Introduction to Criminal Justice	3
PBLC085	Code Enforcement Officer	3
PBLC150	Introduction to Public Administration	3

#### Select nine (9) units from the following: (Total 9)

**Complete the following number of credits: 9**

<b>PBLC050</b>	Fundamentals of Public Works	3
PBLC061	Plan Interpretation and Cost Estimating	3
PBLC151	Ethics and Professionalism: The High Calling of Public Service	3
PBLC152	Preparing for Supervision Public Sector	3
PBLC153	Public Sector Budgeting Fundamentals	3
PBLC154	Public Sector Human Resources Fundamentals	3
PBLC155	The Art of Politics and Policymaking	3

### CODE ENFORCEMENT AND COMPLIANCE, CA

Certificate of Achievement

#### Control Number:

37102

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 Courses & Requirements

Code Enforcement and Compliance, CA (Total 18)

#### Complete all of the following

Certificate Requirements: (Total 9)

**Complete the following number of credits: 9**

<b>CIS101</b>	Introduction to Microsoft Office	3
CJ101	Introduction to Criminal Justice	3
PBLC085	Code Enforcement Officer	3

#### Select nine (9) units from the following: (Total 9)

**Complete the following number of credits: 9**

**Complete at least one of the following rules (Total 3-39)**

<b>RE103</b>	Legal Aspects of Real Estate	3
<b>BUS222</b>	Business Writing	3
MGMT122	Business Communications	3
COMM100	Introduction to Interpersonal Communication	3
COMM100H	Honors Introduction to Interpersonal Communication	3
COMM120	Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3
PBLC050	Fundamentals of Public Works	3
PBLC061	Plan Interpretation and Cost Estimating	3
PBLC151	Ethics and Professionalism: The High Calling of Public Service	3
PBLC155	The Art of Politics and Policymaking	3
POLT101	American Government and Politics	3
POLT101H	Honors American Government and Politics	3
<b>Complete at least one of the following rules (Total 3-6)</b>		
<b>BUS090</b>	Principles of Project Management	3
PBLC080	Principles of Project Management	3



## COLLEGE PREPARATION MATHEMATICS, COM

Certificate of Competency

**Control Number:**

36897

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 Courses & Requirements

College Preparation Mathematics, COM (Total 318)

**Complete the following number of credits: 318**

<b>HSMTH103</b>	Math Study Skills Support IA	15
HSMTH104	Math Study Skills Support IB	15 MATHCE206
	College Preparation Essential Mathematics	144 MATHCE255
	College Preparation Algebra	144

## COLLEGE READINESS, COM

Certificate of Competency

**Control Number:**

36372

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 Courses & Requirements

College Readiness, COM (Total 288)

**Complete all of the following**

<b>HSENG086</b>	College Preparatory Composition	72
HSMTH176	College Preparation Algebra IA	72
HSMTH177	College Preparation Algebra IB	72
HSOTH040	Introduction to Academic Pathways and Programs	72

## COMMERCIAL TEXTILE WORKER, CC

Certificate of Completion

**Control Number:**

24146

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 Courses & Requirements

Commercial Textile Worker, CC (Total 340)

**Complete the following number of credits: 340**

<b>VCLTH477</b>	Fundamentals of Commercial Sewing	180
VCLTH483	Introduction to Commercial Sewing	160

## COMMERCIAL AND INSTITUTIONAL FOOD PREPARATION, CC

Certificate of Completion

**Control Number:**

24093

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 Courses & Requirements

Commercial and Institutional Food Preparation, CC (Total 135)

**Complete the following number of hours: 135**

<b>HSS338</b>	Workforce Preparation	15
VFOOD010	Food Service Manager Test Preparation	120

## COMMUNICATION STUDIES, AA-T

A.A. Degree for Transfer

**Control Number:**

30558

The Associate in Arts in Communication Studies for Transfer degree provides training to build and maintain personal and professional relationships through effective communication. Completion of the transfer degree in Communication prepares students to: (1) Communicate with clarity and accuracy in diverse environments, (2) Act with awareness of self amongst local and global communities, (3) Think critically, creatively and reflectively, and (4) Learn about the self in professional and interpersonal relationships. Successful completion of the transfer degree in Communication guarantees the student acceptance to a local California State University to pursue a baccalaureate degree, in preparation to pursue a career in the field of business, industry, government, social service, and/or education in such areas as teaching, public speaking, consulting, law, announcing, and public relations.

### Program Courses & Requirements

Communication Studies, AA-T (Total 18-21)

**Complete all of the following**

Major requirements: (Total 3)

**Complete the following number of credits: 3**

**COMM110** Public Speaking 3

**Select two (2) courses from the following (List A): (Total 6)**

**Complete the following number of credits: 6**

An additional course from List A (may not be a course used to satisfy the requirements in List A) (Total 6)

**Complete the following number of credits: 6**

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. 0

**COMM100** Introduction to Interpersonal Communication 3

**COMM100H** Honors Introduction to Interpersonal Communication 3

COMM101 Group Dynamics 3

COMM111 Argumentation and Debate 3

**Select two (2) courses from the following (List B): (Total 6)**

**Complete the following number of credits: 6**

An additional course from List A (may not be a course used to satisfy the requirements in List A) 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. 0

**COMM120** Intercultural Communication 3

COMM120H Honors Introduction to Intercultural Communication 3

COMM134 Oral Interpretation 3



**Select one (1) course from the following (List C): (Total 3-6)**  
**Complete the following number of credits: 3-6**

An additional course from List A (may not be a course used to satisfy the requirements in List A or B) 0

<b>COMM130</b>	Forensics Team	4-6
COMMI35	Readers' Theatre	3
COMM225	Gender Communication	3
COMM225H	Honors Gender Communication	3
COMM230	Advanced Forensics Team	4-6
ENGL102	Literature and Composition	3
ENGL102H	Honors Literature and Composition	3
ENGL103	Critical Thinking and Writing	4
ENGL103H	Honors Critical Thinking and Writing	4

## COMMUNICATION, AA

A.A. Degree Major

### Control Number:

11929

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 Courses & Requirements

Communication, AA (Total 18)

#### Complete all of the following

#### RELATIONSHIP EMPHASIS (TOTAL 3)

**Complete the following number of credits: 3**

**Complete at least one of the following rules (Total 3-6)**

<b>COMM100</b>	Introduction to Interpersonal Communication	3
COMMI00H	Honors Introduction to Interpersonal Communication	3
COMM101	Group Dynamics	3

#### DELIVERY EMPHASIS (TOTAL 3)

**Complete the following number of credits: 3**

<b>COMM110</b>	Public Speaking	3
<b>COMM111</b>	Argumentation and Debate	3

#### DIVERSITY EMPHASIS (TOTAL 3)

**Complete the following number of credits: 3**

**Complete at least one of the following rules (Total 3-6)**

<b>COMM120</b>	Intercultural Communication	3
COMMI20H	Honors Introduction to Intercultural Communication	3

**Complete at least one of the following rules (Total 3-6)**

<b>COMM225</b>	Gender Communication	3
COMM225H	Honors Gender Communication	3

#### PERFORMANCE EMPHASIS (TOTAL 3)

**Complete the following number of credits: 3**

<b>COMM130</b>	Forensics Team	6
COMMI34	Oral Interpretation	3
COMMI35	Readers' Theatre	3
COMM230	Advanced Forensics Team	6

#### REQUIRED ELECTIVES (TOTAL 6)

**Complete the following number of credits: 6**

Any of the above courses not already completed, but no more than two (2)

additional units of Communication 130 or Communication 230 (Total 2)

**Complete the following number of credits: 2**

<b>LIBI103</b>	Advanced Internet Research	1.5
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## COMPUTER INFORMATION SYSTEMS, AS

A.S. Degree Major

### Control Number:

11902

The Associate of Science degree in Computer Information Systems is concerned with the development of procedures which are effective and efficient, computer languages suitable for starting these procedures, and systems for executing the procedures. This may include the ability to write programs in Visual BASIC, C++ or Java and applications such as Excel. Graduates of the program are prepared for employment as trainees in information systems, computer programming, and systems analysis. Completion of the degree provides background for curriculum at a four-year institution such as the California State University system at Fullerton or Pomona. Students intending to obtain a bachelor's degree in Computer Information Systems should consult the major requirements for upper-division standing listed under the Business Administration major at the school of their choice.

### Program Courses & Requirements

Computer Information Systems, AS (Total 22-23)

#### Complete all of the following

Major requirements: (Total 19)

**Complete the following number of credits: 19**

<b>ACCT101</b>	Financial Accounting	4
BUSI50	Introduction to Information Systems and Applications	3
BUSI05	Legal Environment of Business	3
CIS106	Microsoft Excel	3
CMPR105	Visual BASIC Programming	3
CMPR112	Java Programming	3
CMPR120	Introduction to Programming	3

#### Select one (1) course from the following: (Total 3 - 4)

**Complete the following number of credits: 3-4**

**Complete all of the following (Total 19)**

<b>ACCT102</b>	Managerial Accounting	4
CIS103	Microsoft Word	3
ACCT100	Accounting for Small Business	3
CIS108	Microsoft Access	3
CMPR121	Programming Concepts	3
CMPR213	C# Programming	3

**Complete at least one of the following rules (Total 3-6)**

<b>CISI10</b>	Introduction to Microsoft Project	3
PBLC110	Introduction to Microsoft Project	3





## COMPUTER INFORMATION SYSTEMS, CA

Certificate of Achievement

### Control Number:

21647

The Certificate of Achievement in Computer Information Systems is concerned with the development of procedures which are effective and efficient, computer languages suitable for starting these procedures, and systems for executing the procedures. This may include the ability to write programs in Visual BASIC, C++ or Java and applications such as Excel. Graduates of the program are prepared for employment as trainees in information systems, computer programming, and systems analysis. Completion of the degree provides background for curriculum at a four-year institution such as the California State University system a Fullerton or Pomona. Students intending to obtain a bachelor's degree in Computer Information Systems should consult the major requirements for upper-division standing listed under the Business Administration major at the school of their choice.

### Program Courses & Requirements

Computer Information Systems, CA (Total 22-23)

#### Complete all of the following

Certificate requirements: (Total 19)

#### Complete the following number of credits: 19

<b>ACCT101</b>	Financial Accounting	4
<b>BUS150</b>	Introduction to Information Systems and Applications	3
<b>CIS106</b>	Microsoft Excel	3
<b>CMPR105</b>	Visual BASIC Programming	3
<b>CMPR112</b>	Java Programming	3
<b>CMPR120</b>	Introduction to Programming	3

#### Select one (1) course from the following: (Total 3-4)

#### Complete the following number of credits: 3-4

#### Complete all of the following (Total 19)

<b>ACCT100</b>	Accounting for Small Business	3
<b>ACCT102</b>	Managerial Accounting	4
<b>CIS103</b>	Microsoft Word	3
<b>CIS108</b>	Microsoft Access	3
<b>CMPR121</b>	Programming Concepts	3
<b>CMPR213</b>	C# Programming	3

#### Complete at least one of the following rules Total 3-6)

<b>CIS110</b>	Introduction to Microsoft Project	3
<b>PBLC110</b>	Introduction to Microsoft Project	3

## COMPUTER RETAIL SALES AND SUPPORT, CA

Certificate of Achievement

### Control Number:

36304

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 Courses & Requirements

Computer Retail Sales and Support, CA (Total 18)

#### Complete the following number of credits: 18

<b>BUS100</b>	Fundamentals of Business	3
<b>BUS150</b>	Introduction to Information Systems and Applications	3

#### Complete at least one of the following rules (Total 3-6)

<b>BUS121</b>	Human Relations and Organizational Behavior	3
<b>MGMT121</b>	Human Relations and Organizational Behavior	3

#### Complete at least one of the following rules (Total 3-6)

<b>BUS222</b>	Business Writing	3
<b>MGMT122</b>	Business Communications	3

#### Complete all of the following (Total 6)

<b>CIS101</b>	Introduction to Microsoft Office	3
<b>CMPR120</b>	Introduction to Programming	3

## COMPUTER SCIENCE, AS

A.S. Degree Major

### Control Number:

11903

The Associate of Science degree 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 Courses & Requirements

Computer Science, AS (Total 18)

#### Complete the following number of credits: 18

<b>CMPR100</b>	The Computer and Society	3
<b>CMPR105</b>	Visual BASIC Programming	3
<b>CMPR112</b>	Java Programming	3
<b>CMPR120</b>	Introduction to Programming	3
<b>CMPR121</b>	Programming Concepts	3
<b>CIS111</b>	Python Programming	3

## COMPUTER SCIENCE, AS-T

A.S. Degree for Transfer

### Control Number:

33379

The Associate in Science in Computer Science for Transfer prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree. Employment opportunities are available as programmers in government, business and education. Successful completion of the transfer degree in Computer Science guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Computer Science or a related field.

### Program Courses & Requirements

Computer Science, AS-T (Total 30)

#### Complete the following number of credits: 30

#### Complete all of the following (Total 12)

<b>CMPR122</b>	Programming Concepts and Methodology I	3
<b>CMPR132</b>	Programming Concepts and Methodology II	3
<b>CMPR149</b>	Discrete Structures for Computer Science	3
<b>CMPR154</b>	Computer Architecture and Organization	3

#### Complete at least one of the following rules (Total 4-8)

<b>MATH180</b>	Single Variable Calculus I	4 MATH180H
	Honors Single Variable Calculus I	4

#### Complete all of the following (Total 14)

<b>MATH185</b>	Single Variable Calculus II	4
<b>PHYS250A</b>	Physics for Scientists and Engineers I	5
<b>PHYS250B</b>	Physics for Scientists and Engineers II	5



## COMPUTER SCIENCE, CA

Certificate of Achievement

### Control Number:

21649

The Certificate 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 Courses & Requirements

Computer Science, CA (Total 18)

#### Complete the following number of credits: 18

<b>CMPR100</b>	The Computer and Society	3
CMPR105	Visual BASIC Programming	3
CMPR112	Java Programming	3
CMPR120	Introduction to Programming	3
CMPR121	Programming Concepts	3
CMPR213	C# Programming	3

## COMPUTERIZED ACCOUNTING, CERT

Certificate of Proficiency

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 Courses & Requirements

Computerized Accounting, CERT (Total 11-12)

#### Complete the following number of credits: 11-12

<b>ACCT035</b>	QuickBooks	2
CIS106	Microsoft Excel	3

#### Complete at least one of the following rules (Total 3-7)

<b>ACCT101</b>	Financial Accounting	4
ACCT100	Accounting for Small Business	3

#### Complete at least one of the following rules (Total 3-6)

<b>CIS101</b>	Introduction to Microsoft Office	3
CMPR100	The Computer and Society	3

## CONSTRUCTION INSPECTION, AS

A.S. Degree Major

### Control Number:

32319

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 Courses & Requirements

Construction Inspection, AS (Total 21)

#### Complete all of the following

#### MAJOR REQUIREMENT:

Please select four (4) courses from the list below. (Total 12)

#### Complete the following number of credits: 12

<b>PBLC050</b>	Fundamentals of Public Works	3
PBLC061	Plan Interpretation and Cost Estimating	3
CIS101	Introduction to Microsoft Office	3

#### Complete at least one of the following rules (Total 3-6)

<b>MGMT122</b>	Business Communications	3
BUS222	Business Writing	3

#### Complete at least one of the following rules (Total 3-6)

<b>PBLC150</b>	Introduction to Public Administration	3
PBLC152	Preparing for Supervision Public Sector	3

#### CONSTRUCTION INSPECTION:

Please select three (3) courses from the list below. (Total 9)

#### Complete the following number of credits: 9

<b>PBLC051</b>	Infrastructure Construction and Maintenance	3
PBLC063	Construction Materials and Testing	3
PBLC070	Construction Inspection	3
WATR060	Water Utility Maintenance and Construction	3

## CONSTRUCTION INSPECTION, CA

Certificate of Achievement

### Control Number:

11910

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 Courses & Requirements

Construction Inspection, CA (Total 21)

#### Complete all of the following

#### MAJOR REQUIREMENT:

Please select four (4) courses from the list below. (Total 12)

#### Complete the following number of credits: 12

<b>PBLC050</b>	Fundamentals of Public Works	3
PBLC061	Plan Interpretation and Cost Estimating	3
CIS101	Introduction to Microsoft Office	3

#### Complete at least one of the following rules (Total 3-6)

<b>MGMT122</b>	Business Communications	3
BUS222	Business Writing	3

#### Complete at least one of the following rules (Total 3-6)

<b>PBLC150</b>	Introduction to Public Administration	3
PBLC152	Preparing for Supervision Public Sector	3

#### CONSTRUCTION INSPECTION:

Please select three (3) courses from the list below. (Total 9)

#### Complete the following number of credits: 9

<b>PBLC051</b>	Infrastructure Construction and Maintenance	3
PBLC063	Construction Materials and Testing	3
PBLC070	Construction Inspection	3
WATR060	Water Utility Maintenance and Construction	3



## CONSTRUCTION LABORER, CC

Certificate of Completion

**Control Number:**  
24037

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 Courses & Requirements

Construction Laborer, CC (Total 360)

**Complete the following number of credits: 360**

<b>VCNST608</b>	Introduction to Welding, Pre-Apprentice	180
<b>VCNST611</b>	Fundamentals of Welding, Pre-Apprentice	180

## CONSTRUCTION MANAGEMENT, AS

A.S. Degree Major

**Control Number:**  
11909

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 Courses & Requirements

Construction Management, AS (Total 21)

**Complete all of the following**

#### MAJOR REQUIREMENT:

Please select four (4) courses from the list below. (Total 12)

**Complete the following number of credits: 12**

<b>PBLC050</b>	Fundamentals of Public Works	3
<b>PBLC061</b>	Plan Interpretation and Cost Estimating	3
<b>CIS101</b>	Introduction to Microsoft Office	3

**Complete at least one of the following rules (Total 3-6)**

<b>MGMT122</b>	Business Communications	3
<b>BUS222</b>	Business Writing	3

**Complete at least one of the following rules (Total 3-6)**

<b>PBLC150</b>	Introduction to Public Administration	3
<b>PBLC152</b>	Preparing for Supervision Public Sector	3

#### CONSTRUCTION MANAGEMENT:

Please select three (3) courses from the list below. (Total 9)

**Complete the following number of credits: 9**

<b>PBLC074</b>	Contract Administration	3
<b>PBLC080</b>	Principles of Project Management	3
<b>PBLC110</b>	Introduction to Microsoft Project	3

**Complete at least one of the following rules (Total 3-6)**

<b>PBLC153</b>	Public Sector Budgeting Fundamentals	3
<b>PBLC154</b>	Public Sector Human Resources Fundamentals	3

## CONSTRUCTION MANAGEMENT, CA

Certificate of Achievement

**Control Number:**  
21673

This Certificate of Achievement in Construction Management is for current, new or future project managers and team members and those who may seek the PMP (Project Management Professional®) designation as part of their future career plan. The content includes project definition, planning, group dynamics, workplace diversity, team roles and communication techniques, problem solving, evaluation and final reporting on results in both a classroom setting and with opportunities for application.

## Program Courses & Requirements

Construction Management, CA (Total 21)

**Complete all of the following**

#### MAJOR REQUIREMENT:

Please select four (4) courses from the list below. (Total 12)

**Complete the following number of credits: 12**

<b>PBLC050</b>	Fundamentals of Public Works	3
<b>PBLC061</b>	Plan Interpretation and Cost Estimating	3
<b>CIS101</b>	Introduction to Microsoft Office	3

**Complete at least one of the following rules (Total 3-6)**

<b>MGMT122</b>	Business Communications	3
<b>BUS222</b>	Business Writing	3

**Complete at least one of the following rules (Total 3-6)**

<b>PBLC150</b>	Introduction to Public Administration	3
<b>PBLC152</b>	Preparing for Supervision Public Sector	3

#### CONSTRUCTION MANAGEMENT:

Please select three (3) courses from the list below. (Total 9)

**Complete the following number of credits: 9**

<b>PBLC074</b>	Contract Administration	3
<b>PBLC080</b>	Principles of Project Management	3
<b>CIS110</b>	Introduction to Microsoft Project	3

**Complete at least one of the following rules (Total 3-6)**

<b>PBLC153</b>	Public Sector Budgeting Fundamentals	3
<b>PBLC154</b>	Public Sector Human Resources Fundamentals	3

## COSMETOLOGY, AS

A.S. Degree Major

**Control Number:**

11948

The Associate of Science degree in Cosmetology is designed to exceed minimum California Board of Barbering and Cosmetology standards. Students will experience a combination of lecture and laboratory instruction covering various topics such as hairdressing, chemical waving and straightening, haircutting and shaping, hair coloring, scalp and hair treatments, facials, manicuring, and operation of a beauty salon. Proficiencies to be developed include principles of sanitation in compliance with laws and administrative regulations. Courses are offered on an open enrollment basis and students may enroll at any time. Students are required to purchase a basic cosmetology kit.

### Program Courses & Requirements

Cosmetology, AS (Total 53)

**Complete the following number of credits: 53**

<b>COSM005</b>	Health and Safety	7
<b>COSM040</b>	Cosmetology	46



## COSMETOLOGY, CA

Certificate of Achievement

### Control Number:

21674

The Certificate of Achievement in Cosmetology is designed to exceed minimum California Board of Barbering and Cosmetology standards. Students will experience a combination of lecture and laboratory instruction covering various topics such as hairdressing, chemical waving and straightening, haircutting and shaping, hair coloring, scalp and hair treatments, facials, manicuring, and operation of a beauty salon. Proficiencies to be developed include principles of sanitation in compliance with laws and administrative regulations. Courses are offered on an open enrollment basis and students may enroll at any time. Students are required to purchase a basic cosmetology kit.

### Program Courses & Requirements

Cosmetology, CA (Total 53)

**Complete the following number of credits:** **53**

<b>COSM005</b>	Health and Safety	7
COSM040	Cosmetology	46

## CUSTODIAL TECHNICIAN, CC

Certificate of Completion

### Control Number:

36900

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 Courses & Requirements

Custodial Technician, CC (Total 96)

**Complete the following number of credits:** **96**

<b>VCST101</b>	Custodial Technician	60
VCST102	Basic Hazmat Safety Standards	36

## CUSTOMER SERVICE REPRESENTATIVE, CC

Certificate of Completion

### Control Number:

24427

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 Courses & Requirements

Customer Service Representative, CC (Total 216)

**Complete the following number of credits:** **216**

<b>VBUS119</b>	Introduction to Keyboarding and Basic Windows	60
VBUS258	Navigating the Internet	36
VBUS260	Introduction to Word Processing using MS Word	60
<b>WKPR500</b>	Workforce Readiness	60

## Dance

### DANCE HISTORY AND APPRECIATION

#### DNCE100: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area CI: Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A: Arts

##### Local - Plan D

- Area CI - Art

### MODERN DANCE FUNDAMENTALS

#### DNCE106A: 1.0 Units

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)

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Dance 106A and 106B may be taken a maximum of four enrollments.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### INTERMEDIATE MODERN DANCE

#### DNCE106B: 1.0 Units

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)

#### Requisites:

##### Advisory

**DNCE106A** Modern Dance Fundamentals

#### Limitations on Enrollment:

- Course Family A combination of Dance 106A and 106B may be taken a maximum of four enrollments.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses



## BALLET FUNDAMENTALS

### DNCE108A: 1.0 Units

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)

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Dance 108A and 108B may be taken a maximum of four enrollments.

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## INTERMEDIATE BALLET

### DNCE108B: 1.0 Units

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)

#### Requisites:

#### Prerequisite

**DNCE108A** Ballet Fundamentals

#### Limitations on Enrollment:

- Course Family A combination of Dance 108A and 108B may be taken a maximum of four enrollments.

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## TAP DANCE FUNDAMENTALS

### DNCE115A: 1.0 Units

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)

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Dance 115A and 115B may be taken a maximum of four enrollments.

## INTRODUCTION TO TAP DANCE

### DNCE115B: 1.0 Units

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)

#### Requisites:

#### Advisory

**DNCE115A** Tap Dance Fundamentals

#### Limitations on Enrollment:

- Course Family A combination of Dance 115A and 115B may be taken a maximum of four enrollments.

#### General Education Plan:

#### Santa Ana College - Shared Course

- Shared Course with SAC

## JAZZ DANCE FUNDAMENTALS

### DNCE119A: 1.0 Units

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)

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Dance 119A and 119B may be taken a maximum of four enrollments.

## INTERMEDIATE JAZZ DANCE

### DNCE119B: 1.0 Units

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)

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Dance 119A and 119B may be taken a maximum of four enrollments.

## DANCE PRODUCTION

### DNCE204A: 2.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Audition
- Course Family A combination of Dance 204A and 204B may be taken a maximum of four enrollments.

## DANCE PRODUCTION

### DNCE204B: 2.0 Units

Continued study in concert dance production culminating in public performances. Includes a range of production basics and advanced dance production methods, with an emphasis on choreography to create original dance work. Course differs from 204A.

#### Requisites:

#### Prerequisite

**DNCE204A** Dance Production

#### Limitations on Enrollment:

- Course Family A combination of Dance 204A and 204B may be taken a maximum of four enrollments.

## PERFORMANCE ENSEMBLE

### DNCE205: 2.0 Units

Pre-professional ensemble to provide performance experience for advanced students. Concert tour/performance field trips may be required. Repertoire and casting vary each semester.

**Requisites:**

None

**Limitations on Enrollment:**

- Audition

**HIP HOP DANCE I****DNCE250A: 2.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of 250A, 250B, and 251 may be taken a maximum of four enrollments.

**HIP-HOP DANCE II****DNCE250B: 2.0 Units**

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.

**Requisites:****Advisory**

**DNCE250A** Hip Hop Dance I  
successfully complete with a minimum grade of C

**Limitations on Enrollment:**

- Course Family A combination of Dance 250A, 250B, and 251 may be taken a maximum of four enrollments.

**HIP HOP DANCE III****DNCE251: 2.0 Units**

Instruction for the continuing dance student in advanced level hip-hop dance technique and further development of performance skills. Emphasis will be placed on combinations, choreography, performance style, and cultural context of hip-hop. Dance 250B is recommended prior to enrollment in this course.

**Requisites:****Advisory**

**DNCE250B** Hip-Hop Dance II  
Successfully complete with a minimum grade of C

**Limitations on Enrollment:**

- Course Family A combination of Dance 250A, 250B, and 251 may be taken a maximum of four enrollments.

**DIGITAL MARKETING SPECIALIST, CC**

Certificate of Completion

**Control Number:**

36585

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 Courses & Requirements**

Digital Marketing Specialist, CC (Total 180)

**Complete the following number of credits: 180**

<b>VBUS014</b>	Introduction to Mobile and Social Media Tools	60
VBUS150	Introduction to Digital Marketing	60
VBUS152	Introduction to Digital Marketing Analytics	60

**DIGITAL MEDIA ARTS: GRAPHIC DESIGN, CA**

Certificate of Achievement

**Control Number:**

21670

The Certificate of Achievement in Digital Media Arts Graphic Design reflects the industry standard in the field of advertising/graphic design for printed media, the web, and digital imaging. The program is designed with a combination of courses from fine art, digital media, computer science, and marketing to develop technical skills and creativity in digital media. Graduates of this program will find entry into the profession at various levels with employment opportunities in the fields of advertising, graphic design, web design, application design, and digital imaging.

**Program Courses & Requirements**

Digital Media Arts: Graphic Design, CA (Total 21)

**Complete all of the following**

Certificate Requirements: (Total 18)

**Complete the following number of credits: 18**

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. 0

Select ART100 or ART100H. Credit will be awarded for one or the other: 0

<b>ART100</b>	Introduction to Art Concepts	3
ART100H	Honors Introduction to Art Concepts	3
ART110	Two-Dimensional Design	3
ART122	Graphic Design I	3
ART129	Introduction to Web Design	3
ART130	Introduction to Drawing	3
ART195	Introduction to Digital Media Arts	3

**Select one (1) course from the following: (Total 3)****Complete the following number of credits: 3**

<b>ART101</b>	Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART101H	Honors Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART111	Three-Dimensional Design	3
ART128	Introduction to Illustration	3
ART131	Beginning Life Drawing	3
ART141	Beginning Painting	3
ART149	Introduction to Digital Photography	3
ART221	Graphic Design II	3
ART228	Intermediate Illustration	3
ART230	Intermediate Drawing	3
ART231	Intermediate Life Drawing	3
ART232	Advanced Life Drawing	3
ART250	Advanced Studio Concepts	3
CMPR105	Visual BASIC Programming	3
MKTG112	Principles of Advertising	3



## DIGITAL MEDIA ARTS: MOBILE APPLICATION DEVELOPMENT AND DESIGN, CA

Certificate of Achievement

The Certificate of Achievement in Digital Media Arts: Mobile Application Development and Design reflects the industry standard in the field of advertising/graphic design for mobile devices, the web, and digital imaging. The program is designed 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 Courses & Requirements

Digital Media Arts: Mobile Application Development and Design, CA (Total 18)

#### Complete all of the following

Certificate requirements: (Total 6)

**Complete the following number of credits: 6**

<b>ART 159</b>	Introduction to Mobile Application Development and Design	3
CIS159	Introduction to iOS/iPhone Mobile App Development	3

**If emphasis is Digital Media Art and Design, select courses from List A. If emphasis is Programming, select courses from List B. 12**

**Select four (4) courses from List A: Digital Media Art and Design 12 units (Total 0)**

**Complete the following number of credits: 0**

<b>ART 122</b>	Graphic Design I	3
ART 129	Introduction to Web Design	3
ART 149	Introduction to Digital Photography	3
ART 195	Introduction to Digital Media Arts	3
ART 221	Graphic Design II	3
ART 229	Multimedia Applications for the Web	3
ART 259	Advanced Mobile Application Development and Design	3

**Select four (4) courses from List B: Programming 12 units (Total 0)**

**Complete the following number of credits: 0**

<b>CIS259</b>	Advanced iOS/iPhone Mobile App Development	3
CMPR 112	Java Programming	3
CMPR 120	Introduction to Programming	3
CMPR 213	C# Programming	3
MKTG 112	Principles of Advertising	3

## DIVERSITY IN THE WORKFORCE, CC

Certificate of Completion

### Control Number:

43227

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 Courses & Requirements

Diversity in the Workforce, CC

**Complete all of the following (Total 120)**

<b>WKPR019</b>	Different Communication Styles in the Workforce	60
WKPR020	Different Cultures in the Workplace	60

### RECOMMENDED SEQUENCE

#### New Sequence

Term I	Hours
<b>Take one of the following:</b>	
<b>WKPR019</b>	Different Communication Styles in the Workforce 60.0
WKPR020	Different Cultures in the Workplace 60.0
<b>TOTAL HOURS</b>	<b>60.0</b>

## Economics

### PRINCIPLES/MICRO

#### ECON101: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

#### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

#### OR

##### Prerequisite

Qualifying profile from the Mathematics placement process.

### General Education Plan:

#### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

#### CSU GE - Plan B

- Area D: Social Sciences

#### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Economics

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

### PRINCIPLES/MACRO

#### ECON102: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

#### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

#### OR

##### Prerequisite

Qualifying profile from the Mathematics placement process.



### General Education Plan:

#### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

#### CSU GE - Plan B

- Area D: Social Sciences

#### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Economics

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## Educational Studies

### AMERICAN SCHOOLS AND SOCIETY

#### EDUC101: 3.0 Units

Introduction to the historical, sociological and psychological goals of American schools as a social/political institution. Topics include equality of educational opportunity; student diversity and multicultural education; economic, societal and political influences; teacher roles and responsibilities; curriculum standards; and the globalization of education.

#### Fees:

Instructor Generated Handouts

#### Requisites:

##### Advisory

**ENGL100** Freshman Composition with Integrated Support

##### OR

##### Advisory

**ENGL101** Freshman Composition

##### OR

##### Advisory

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

#### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

#### CSU GE - Plan B

- Area D: Social Sciences

#### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

### THE TEACHING EXPERIENCE: EXPLORATION

#### EDUC110: 3.0 Units

An exploration of the teaching profession both from academic understanding and from experience gained through 20 hours of classroom observations, assisting in schools and educational centers and designing, preparing and teaching standards based lessons in grades K-12. Topics will include instructional techniques and skills for the teaching profession, exploration of anti-racist teaching strategies and diverse student learning and roles and

responsibilities of teachers.

#### Requisites:

None

### EDUCATIONAL STRATEGIES FOR TUTORS AND INSTRUCTIONAL AIDES

#### EDUC113: 1.0 Units

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 programs to apply strategies and gain experience tutoring and working with school-age children.

#### Requisites:

None

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### INTRODUCTION TO ELEMENTARY CLASSROOM TEACHING

#### EDUC200: 3.0 Units

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 and philosophical foundations of the American education system, contemporary educational issues, California's curriculum standards and teacher performance standards. Students participate in 45 hours of structured observation in an elementary classroom in cooperation with a certificated classroom teacher.

#### 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

#### General Education Plan:

#### Course Identifier (C-ID)

- Education

### PROFICIENCY IN EDUCATIONAL TECHNOLOGIES FOR TEACHERS

#### EDUC206: 3.0 Units

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.

#### Requisites:

None

### ROLES AND RESPONSIBILITIES OF THE SPECIAL EDUCATION PARAPROFESSIONAL

#### EDUC209: 3.0 Units

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.

**Requisites:**

None

**Transferability & General Education Options**

**CLASSROOM PRACTICES FOR DIVERSE LEARNERS**

**EDUC211: 3.0 Units**

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.

**Requisites:**

None

**INTRODUCTION TO SECONDARY TEACHING**

**EDUC220: 3.0 Units**

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)

**Requisites:**

None

**Electrician**

**GENERAL ELECTRICIAN I**

**ELCT041: 3.0 Units**

First semester of a five-year program for certified electrical trainees. Covers tools and fasteners, knot tying, math and materials, building materials and safety, and residential blueprints. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

None

**GENERAL ELECTRICIAN 2**

**ELCT042: 3.0 Units**

Second semester of a five-year program for certified electrical trainees. Covers DC theory, series circuits, parallel circuits and combination circuits. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT041** General Electrician 1

**GENERAL ELECTRICIAN 3**

**ELCT043: 3.0 Units**

Third semester of a five year program for certified electrical trainees. Covers codeology, test instruments and sine waves, three-phase systems, residential and commercial blueprints, mechanical bending. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT042** General Electrician 2

**GENERAL ELECTRICIAN 4**

**ELCT044: 3.0 Units**

Fourth semester of a five-year program for certified electrical trainees. Covers electrical theory, transformers, and National Electrical Code application. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT043** General Electrician 3

**GENERAL ELECTRICIAN 5**

**ELCT045: 3.0 Units**

Fifth semester of a five-year program for certified electrical trainees. Covers the National Electrical Code, grounding, industrial blueprints, and earth testing. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT044** General Electrician 4

**GENERAL ELECTRICIAN 6**

**ELCT046: 3.0 Units**

Sixth semester of a five-year program for certified electrical trainees. Covers advanced motor control and code as applied to motor protection. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT045** General Electrician 5

**GENERAL ELECTRICIAN 7**

**ELCT047: 3.0 Units**

Seventh semester of a five-year program for certified electrical trainees. Covers electronics and programmable logic controllers. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT046** General Electrician 6

**GENERAL ELECTRICIAN 8**

**ELCT048: 3.0 Units**

Eighth semester of a five-year program. Provides related and supplemental instruction in code calculations and electrical grounding and bonding. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT047** General Electrician 7

**GENERAL ELECTRICIAN 9**

**ELCT049: 3.0 Units**

Ninth semester of a five-year program for certified electrical trainees. A cover-to-cover study of the National Electrical Codebook to prepare for the California State Electrical Examination. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT048** General Electrician 8

**GENERAL ELECTRICIAN 10**

**ELCT050: 3.0 Units**

Final semester of a five-year program. Provides related and supplemental instruction in jobsite management and photovoltaic systems. Meets the requirement as a state-certified training course. Open Entry/Open Exit

**Requisites:**

**Prerequisite**

**ELCT049** General Electrician 9



## QUALITY SAFETY PROGRAM AND FIRST AID

### ELCT051: 1.5 Units

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

#### Requisites:

None

## English

### INTRODUCTION TO COMPOSITION WITH INTEGRATED SUPPORT

#### ENGL099: 4.5 Units

Prepares students for academic reading, critical reasoning, and the expository and argumentative writing expected in transfer and associate degree classes. Additional hours in the Writing Center required for an advanced review of the principles of standard English grammar, sentence and paragraph structure as well as strategies to approach, develop, and refine various writing assignments.

#### Requisites:

None

### FRESHMAN COMPOSITION WITH INTEGRATED SUPPORT

#### ENGL100: 4.5 Units

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.

#### Requisites:

##### Prerequisite

**ACEI 16** Introduction to Academic Composition

##### OR

##### Prerequisite

**ENGL099** Introduction to Composition with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from the English placement process.

#### General Education Plan:

##### Local - Plan A

- Area E1: English Composition

##### CSU GE - Plan B

- Area A2: Written Communication

##### IGETC - Plan C

- Area IA: English Composition

#### Course Identifier (C-ID)

- English

##### Local - Plan D

- A1 - English Composition

### FRESHMAN COMPOSITION

#### ENGL101: 4.0 Units

This course emphasizes expository and argumentative essays and the research paper, allowing students to gain familiarity with learning approaches connected to successful writing and to compose in a variety of academic, professional, and civic contexts, including digital environments.

#### Requisites:

##### Prerequisite

**ACEI 16** Introduction to Academic Composition

##### OR

##### Prerequisite

**ENGL099** Introduction to Composition with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from the English placement process.

#### General Education Plan:

##### Local - Plan A

- Area E1: English Composition

##### CSU GE - Plan B

- Area A2: Written Communication

##### IGETC - Plan C

- Area IA: English Composition

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- English

##### Local - Plan D

- A1 - English Composition

### HONORS FRESHMAN COMPOSITION

#### ENGL101H: 4.0 Units

This course provides an enriched exposure to expository and argumentative essays and the research paper, requiring in-depth analysis of issues and substantive treatment of student-selected topics.

#### Requisites:

##### Prerequisite

**ACEI 16** Introduction to Academic Composition

##### OR

##### Prerequisite

**ENGL099** Introduction to Composition with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from English placement process.

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area E1: English Composition

##### CSU GE - Plan B

- Area A2: Written Communication

##### IGETC - Plan C

- Area IA: English Composition

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- English



**Local - Plan D**

- Area A1 - English Composition

**LITERATURE AND COMPOSITION**

**ENGLI02: 4.0 Units**

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.

**Requisites:**

**Prerequisite**

**ENGLI00** Freshman Composition with Integrated Support

**OR**

**Prerequisite**

**ENGLI01** Freshman Composition

**OR**

**Prerequisite**

**ENGLI01H** Honors Freshman Composition

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities
- Area E2: Communication/Analytical Thinking

**CSU GE - Plan B**

- Area A3: Critical Thinking
- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 1B: Critical Thinking/Composition
- Area 3B: Humanities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- English

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area A2 - Critical Thinking/Composition
- Area C2 - Humanities
- Area F2 - Reading Proficiency

**HONORS LITERATURE AND COMPOSITION**

**ENGLI02H: 4.0 Units**

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.

**Requisites:**

**Prerequisite**

**ENGLI00** Freshman Composition with Integrated Support

**OR**

**ENGLI01** Freshman Composition

**OR**

**Prerequisite**

**ENGLI01H** Honors Freshman Composition

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities
- Area E2: Communication/Analytical Thinking

**CSU GE - Plan B**

- Area A3: Critical Thinking
- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 1B: Critical Thinking/Composition
- Area 3B: Humanities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- English

**Santa Ana College - Shared Course**

- Shared Course with SAC

**CRITICAL THINKING AND WRITING**

**ENGLI03: 4.0 Units**

This course focuses on developing critical thinking, reading, and writing skills by studying established argumentative methods and models and applying them to contemporary issues. Emphasis will be on logical reasoning and analytical and argumentative skills necessary for critical writing.

**Requisites:**

**Prerequisite**

**ENGLI00** Freshman Composition with Integrated Support

**OR**

**ENGLI01** Freshman Composition

**OR**

**ENGLI01H** Honors Freshman Composition

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking

**CSU GE - Plan B**

- Area A3: Critical Thinking

**IGETC - Plan C**

- Area 1B: Critical Thinking/Composition

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Education

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area A2 - Critical Thinking/Composition
- Area F2 - Reading Proficiency

## HONORS CRITICAL THINKING AND WRITING

**ENGLI03H: 4.0 Units**

This course will emphasize an enriched and intensive exploration of historical and contemporary issues as well as encourage an application of critical thinking, writing and reading skills to established argumentative methods and models through student-initiated discussion and problem-solving in a seminar setting.

**Requisites:****Prerequisite**

**ENGLI00** Freshman Composition with Integrated Support

**OR**

**ENGLI01** Freshman Composition .

**OR**

**ENGLI01H** Honors Freshman Composition

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:****Local - Plan A**

- Area E2: Communication/Analytical Thinking

**CSU GE - Plan B**

- Area A3: Critical Thinking

**IGETC - Plan C**

- Area 1B: Critical Thinking/Composition

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- English

**Santa Ana College - Shared Course**

- Shared Course with SAC

## CREATIVE WRITING

**ENGL213: 3.0 Units**

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.

**Requisites:****Prerequisite**

**ENGLI00** Freshman Composition with Integrated Support

**OR**

**ENGLI01** Freshman Composition

**OR**

**ENGLI01H** Honors Freshman Composition

**General Education Plan:****Santa Ana College - Shared Course**

- Shared Course with SAC

**Course Identifier (C-ID)**

- English

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses



## **SURVEY OF THE BIBLE AS LITERATURE**

### **ENGL220: 3.0 Units**

A study of the literary history, influence, and craftsmanship of the Bible and an exploration of related stories, poems, plays, essays and other diverse materials.

#### **Requisites:**

##### **Prerequisite**

**ENGL100** Freshman Composition with Integrated Support

##### **OR**

**ENGL101** Freshman Composition

##### **OR**

**ENGL101H** Honors Freshman Composition

#### **General Education Plan:**

##### **UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

##### **Santa Ana College - Shared Course**

- Shared Course with SAC

## **SURVEY OF ENGLISH LITERATURE I**

### **ENGL231: 3.0 Units**

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.

#### **Requisites:**

##### **Prerequisite**

**ENGL100** Freshman Composition with Integrated Support

##### **OR**

**ENGL101** Freshman Composition

##### **OR**

##### **Prerequisite**

**ENGL101H** Honors Freshman Composition

#### **General Education Plan:**

##### **Local - Plan A**

- Area C: Humanities

##### **CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### **IGETC - Plan C**

- Area 3B: Humanities

##### **UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

##### **Course Identifier (C-ID)**

- English

##### **Santa Ana College - Shared Course**

- Shared Course with SAC

##### **Local - Plan D**

- Area C2 - Humanities

## **SURVEY OF ENGLISH LITERATURE II**

### **ENGL232: 3.0 Units**

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.

#### **Requisites:**

##### **Prerequisite**

**ENGL100** Freshman Composition with Integrated Support

##### **OR**

##### **Prerequisite**

**ENGL101** Freshman Composition

##### **OR**

##### **Prerequisite**

**ENGL101H** Honors Freshman Composition

#### **General Education Plan:**

##### **Local - Plan A**

- Area C: Humanities

##### **CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### **IGETC - Plan C**

- Area 3B: Humanities

##### **UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

##### **Course Identifier (C-ID)**

- English

##### **Santa Ana College - Shared Course**

- Shared Course with SAC

##### **Local - Plan D**

- Area C2 - Humanities



## SHAKESPEARE'S COMEDIES AND ROMANCES

### ENGL233A: 3.0 Units

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.

#### Requisites:

**ENGL100** Freshman Composition with Integrated Support

**OR**

**ENGL101** Freshman Composition

**OR**

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C1: Arts (Art, Cinema, Dance, Music, Theatre)
- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## SHAKESPEARE'S TRAGEDIES AND HISTORY PLAYS

### ENGL233B: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ENGL100** Freshman Composition with Integrated Support

**OR**

**ENGL101** Freshman Composition

**OR**

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C1: Arts (Art, Cinema, Dance, Music, Theatre)
- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## SURVEY OF AMERICAN LITERATURE, 1600-1865

### ENGL241: 3.0 Units

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.

#### Requisites:

**ENGL100** Freshman Composition with Integrated Support

**OR**

**ENGL101** Freshman Composition

**OR**

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Education

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## SURVEY OF AMERICAN LITERATURE, 1865-PRESENT

### ENGL242: 3.0 Units

The course provides a survey of America's greatest works of literature and their contributions to the American culture from 1865 to present, emphasizing the relationship between literary and intellectual history.

#### Requisites:

**ENGL100** Freshman Composition with Integrated Support

**OR**

**ENGL101** Freshman Composition

**OR**

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- English

#### Santa Ana College - Shared Course

- Shared Course with SAC



**Local - Plan D**

- Area C2 - Humanities

**THE MODERN AMERICAN NOVEL**

**ENGL243: 3.0 Units**

Study of significant American novels written since 1900. May include, but is not limited to, works by Fitzgerald, Hemingway, Faulkner, Hurston, Heller, Kerouac, Nabokov, Roethke, Erdrich, Vonnegut, and Morrison.

**Requisites:**

**Prerequisite**

**ENGL100** Freshman Composition with Integrated Support

**OR**

**ENGL101** Freshman Composition

**OR**

**ENGL101H** Honors Freshman Composition

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities

**Santa Ana College - Shared Course**

- Shared Course with SAC

**CHILDREN'S LITERATURE**

**ENGL270: 3.0 Units**

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.

**Requisites:**

**Prerequisite**

**ENGL101** Freshman Composition

**OR**

**ENGL101H** Honors Freshman Composition

**OR**

**ENGL100** Freshman Composition with Integrated Support

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**Course Identifier (C-ID)**

- Education

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Santa Ana College - Shared Course**

- Shared Course with SAC

**IGETC - Plan C**

- Area 3B: Humanities

**Local - Plan D**

- Area C2 - Humanities

**SURVEY OF WORLD LITERATURE I**

**ENGL271: 3.0 Units**

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.

**Requisites:**

**Prerequisite**

**ENGL100** Freshman Composition with Integrated Support

**OR**

**Prerequisite**

**ENGL101** Freshman Composition

**OR**

**Prerequisite**

**ENGL101H** Honors Freshman Composition

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities
- Area D: Cultural Breadth

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- English

**Santa Ana College - Shared Course**

- Shared Course with SAC

**SURVEY OF WORLD LITERATURE II**

**ENGL272: 3.0 Units**

Survey of world literary masterworks since the Renaissance studied for artistic form, cultural influence, and contributions to modern and contemporary thought.

**Requisites:**

**Prerequisite**

**ENGL101** Freshman Composition

**OR**

**Prerequisite**

**ENGL101H** Honors Freshman Composition

**OR**

**Prerequisite**

**ENGL100** Freshman Composition with Integrated Support

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities
- Area D: Cultural Breadth

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- English

**Santa Ana College - Shared Course**

- Shared Course with SAC



## SURVEY OF LITERATURE BY WOMEN

### ENGL278: 3.0 Units

An historical survey of literature by women, including short stories, novels, plays, poetry, and non-fiction.

#### Requisites:

##### Prerequisite

**ENGL100** Freshman Composition with Integrated Support

##### OR

##### Prerequisite

**ENGL101** Freshman Composition

##### OR

##### Prerequisite

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## SURVEY OF LATINX LITERATURE

### ENGL279: 3.0 Units

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)

#### Requisites:

##### Prerequisite

**ENGL100** Freshman Composition with Integrated Support

##### OR

##### Prerequisite

**ENGL101** Freshman Composition

##### OR

##### Prerequisite

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area C2 - Humanities

## LITERATURE OF THE AFRICAN DIASPORA

### ENGL280: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ENGL100** Freshman Composition with Integrated Support

##### OR

##### Prerequisite

**ENGL101** Freshman Composition

##### OR

##### Prerequisite

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

# Engineering

## STATICS

### ENGR220: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH185** Single Variable Calculus II

##### AND

##### Prerequisite

**PHYS250A** Physics for Scientists and Engineers I

#### Transferability & General Education Options

#### General Education Plan:

##### Course Identifier (C-ID)

- Engineering

## DYNAMICS

### ENGR225: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ENGR220** Statics

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses



**Course Identifier (C-ID)**

- Engineering

**NETWORK ANALYSIS****ENGR230: 5.0 Units**

An introductory course on the modeling and analysis of electrical networks. Topics include basic network theorems, steady state analysis, Laplace and Fourier transforms.

**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

## Earth Sciences

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**PHYSICAL GEOLOGY****ERTH100: 3.0 Units**

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.

**Requisites:****Advisory**

**ERTH100L** Physical Geology Laboratory  
concurrent enrollment

**General Education Plan:****Local - Plan A**

- Area A: Natural Sciences

**CSU GE - Plan B**

- Area B1: Physical Sciences

**IGETC - Plan C**

- Area 5A: Physical Science

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Geology

**Local - Plan D**

- Area E1 - Physical Sciences

**PHYSICAL GEOLOGY LABORATORY****ERTH100L: 1.0 Units**

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.

**Requisites:****Prerequisite**

**ERTH100** Physical Geology  
or concurrent enrollment

**General Education Plan:****Local - Plan A**

- Area A: Natural Sciences

**CSU GE - Plan B**

- Area B3: Laboratory Activity

**IGETC - Plan C**

- Area 5C: Laboratory Activities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Geology

**HISTORICAL GEOLOGY****ERTH111: 4.0 Units**

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.

**Requisites:**

None

**General Education Plan:****Local - Plan A**

- Area A: Natural Sciences

**CSU GE - Plan B**

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

**IGETC - Plan C**

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Geology

**Local - Plan D**

- Area E1 - Physical Sciences



## EARTH SCIENCES

### ERTH120: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

#### Course Identifier (C-ID)

- Geology

##### Local - Plan D

- Area E1 - Physical Sciences

## EARTH SCIENCES FOR EDUCATORS

### ERTH121: 4.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

##### Local - Plan D

- Area E1 - Physical Sciences

## ENVIRONMENTAL GEOLOGY

### ERTH130: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Geology

##### Local - Plan D

- Area E1 - Physical Sciences

## OCEANOGRAPHY

### ERTH160: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area E1 - Physical Sciences

## GEOLOGY OF CALIFORNIA

### ERTH200: 3.0 Units

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.

#### 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

**General Education Plan:**

**Local - Plan A**

- Area A: Natural Sciences

**CSU GE - Plan B**

- Area BI: Physical Sciences

**IGETC - Plan C**

- Area 5A: Physical Science

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Geology

**Local - Plan D**

- Area EI - Physical Sciences

**SAN ANDREAS FAULT SYSTEM GEOLOGY FIELD STUDY**

**ERTH212: 1.0 Units**

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.

**Requisites:**

None

**General Education Plan:**

**ORANGE COUNTY GEOLOGY FIELD STUDY**

**ERTH214: 1.0 Units**

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.

**Requisites:**

None

**ESL ADVANCED, COM**

Certificate of Competency

**Control Number:**

33137

The Certificate of Competency in ESL Advanced improves limited-English speaking students' communication skills in English with an emphasis on grammar and writing in preparation for enhanced job opportunities and the transition to academic studies.

**Program Courses & Requirements**

Certificate Requirements: 192-432 hours (credits are in hours) (Total 192-432)

**Complete the following number of credits: 192-432**

<b>ESL305</b>	Advanced Low	96-216
<b>ESL306</b>	Advanced High	96-216

**ESL BEGINNING MULTILEVEL, COM**

Certificate of Competency

**Control Number:**

24233

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 Courses & Requirements**

Certificate Requirements: 312-432 hours (credits are in hours) (Total 312-432)

**Complete the following number of credits: 312-432**

<b>ESL300</b>	Literacy	96-216
<b>ESL440</b>	Beginning Multilevel	216

**ESL BEGINNING, COM**

Certificate of Competency

**Control Number:**

30644

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 Courses & Requirements**

ESL Beginning, COM (Total 432)

**Complete the following number of credits: 432**

<b>ESL301</b>	Beginning Low 216	
<b>ESL302</b>	Beginning High 216	

**ESL COMMUNICATION, COM**

Certificate of Competency

**Control Number:**

36665

The Certificate of Competency in ESL Communication improves the English language skills of limited-English speaking students with an emphasis on speaking and pronunciation.

**Program Courses & Requirements**

Certificate Requirements: 192-432 hours (credits are in hours) (Total 192-432)

**Complete the following number of credits: 192-432**

<b>ESL303</b>	Intermediate Low	96-216
<b>ESL530</b>	American English Pronunciation	96-216

**ESL INTERMEDIATE COMMUNICATION, COM**

Certificate of Competency

**Control Number:**

24195

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 Courses & Requirements**

ESL Intermediate Communication, COM (Total 144-288)

Complete the following number of credits: 144-288

<b>ESL570</b>	Conversation 1	72-144
<b>ESL580</b>	Conversation 2	72-144

**ESL INTERMEDIATE MULTILEVEL, COM**

Certificate of Competency

**Control Number:**

24234

The Certificate of Competency in ESL Intermediate Multilevel develops the ability of limited-English speaking students in a variety of advanced written, interpersonal and academic communication tasks in preparation for enhanced job opportunities and the transition to academic studies.



### Program Courses & Requirements

ESL Intermediate Multilevel, COM (Total 432)

**Complete the following number of credits:** **432**

<b>ESL303</b>	Intermediate Low	216
ESL500	Intermediate Multilevel	216

### ESL INTERMEDIATE WRITING, COM

Certificate of Competency

**Control Number:**

24196

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 Courses & Requirements

ESL Intermediate Writing, COM (Total 288)

**Complete the following number of credits:** **288**

<b>ESL010</b>	ESL Writing	72
ESL303	Intermediate Low	216

### ESL INTERMEDIATE, COM

Certificate of Competency

**Control Number:**

30646

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 Courses & Requirements

ESL Intermediate, COM (Total 432)

**Complete the following number of credits:** **432**

<b>ESL303</b>	Intermediate Low	216
ESL304	Intermediate High	216

### ESL LITERACY, COM

Certificate of Competency

**Control Number:**

24230

The Certificate of Competency in ESL Literacy develops the ability of non-English speaking students in basic literacy skills, including letter and number recognition/production, simple personal information, and basic oral communication in preparation for enhanced job opportunities.

### Program Courses & Requirements

ESL Literacy, COM (Total 432)

**Complete the following number of credits:** **432**

<b>ABE01 I</b>	Native Language Basic Skills for Adults	216
ESL300	Literacy	216

### ESL SPEAKING\*

### ESL WRITING\*

### ESL FOR CITIZENSHIP, COM

Certificate of Competency

**Control Number:**

24191

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 Courses & Requirements

ESL for Citizenship, COM (Total 168-360)

**Complete the following number of credits:** **168-360**

<b>ESL120</b>	ESL for Citizenship	72-144
ESL303	Intermediate Low	96-216

### ESL FOR HEALTHCARE PROFESSIONALS, COM

Certificate of Competency

**Control Number:**

42317

The ESL for Healthcare Professionals 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 healthcare professionals.

### Program Courses & Requirements

Certificate Requirements: 132 hours (credits are in hours)

**Complete all of the following (Total 132)**

<b>ESL606</b>	Interactive Language Training	72
ESL800	ESL for Medical Occupations	60

### ESL WRITING

#### ESL010: 72.0 Hours

Introduces non-native English speakers to an overview of the writing process including activities to improve student composition skills. Open Entry/Open Exit.

**Requisites:**

**Advisory**

**ESL302** Beginning High  
or higher

### ESL FOR CITIZENSHIP

#### ESL120: 144.0 Hours

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)

**Requisites:**

**Advisory**

**ESL302** Beginning High  
or equivalent

### SEMINAR FOR BEGINNING ESL STUDENTS

#### ESL250: 72.0 Hours

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.

**Requisites:**

None



## SEMINAR FOR INTERMEDIATE ESL STUDENTS

### ESL260: 72.0 Hours

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.

#### Requisites:

##### Advisory

**ESL302** Beginning High or higher

## SEMINAR FOR ADVANCED ESL STUDENTS

### ESL270: 72.0 Hours

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. Field trips may be included. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**ESL304** Intermediate High or equivalent

## LITERACY

### ESL300: 216.0 HOURS

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.

#### Requisites:

None

## BEGINNING LOW

### ESL301: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL300** Literacy or equivalent

## BEGINNING HIGH

### ESL302: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL301** Beginning Low or equivalent

## INTERMEDIATE LOW

### ESL303: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL302** Beginning High or equivalent

## INTERMEDIATE HIGH

### ESL304: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL303** Intermediate Low or equivalent

## ADVANCED LOW

### ESL305: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL304** Intermediate High or equivalent

## ADVANCED HIGH

### ESL306: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL305** Advanced Low or equivalent

## BEGINNING ESL 3

### ESL430: 216.0 Hours

Emphasizes comprehending, participating in, and sustaining simple conversations, reading short passages with understanding, and producing short written passages. This is the fourth course in the Continuing Education ESL continuum. Open Entry/Open Exit.

#### Requisites:

None

## BEGINNING MULTILEVEL

### ESL440: 216.0 Hours

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.

#### Requisites:

None



## INTERMEDIATE ESL I

### ESL460: 216.0 Hours

Emphasizes creative oral language activities, initial critical thinking skills in reading comprehension, and written tasks which begin to focus on academic skills. This is the fifth course in the Continuing Education ESL continuum. Open Entry/Open Exit.

#### Requisites:

None

## INTERMEDIATE ESL 2

### ESL470: 216.0 Hours

Emphasizes understanding higher level language activities, reading passages with increased understanding, and increasing focus on creative and academic writing tasks. This is the sixth course in the Continuing Education ESL continuum. Open Entry/Open Exit.

#### Requisites:

None

## INTERMEDIATE ESL 3

### ESL480: 216.0 Hours

Emphasizes higher level language activities, conversations which convey complex thought patterns, authentic material which expands the use of critical thinking skills, and expanding realistic and creative/academic writing. This is the seventh course in the Continuing Education ESL continuum. Open Entry/Open Exit.

#### Requisites:

None

## INTERMEDIATE MULTILEVEL

### ESL500: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL302** Beginning High or higher

## ENGLISH FOR WORK I

### ESL510: 216.0 Hours

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.

#### Requisites:

None

## ENGLISH FOR WORK 2

### ESL520: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL510** English for Work I or equivalent

## AMERICAN ENGLISH PRONUNCIATION

### ESL530: 216.0 Hours

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.

#### Requisites:

##### Advisory

**ESL302** Beginning High or equivalent

## CONVERSATION I

### ESL570: 144.0 Hours

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.

#### Requisites:

##### Advisory

**ESL302** Beginning High or equivalent

## CONVERSATION 2

### ESL580: 144.0 Hours

Introduces advanced conversational strategies in listening, language use, and nonverbal communication. Presents oral expressions necessary for enhancing conversation and listening skills. Emphasizes differences between formal and informal language based on attitudes and cultures in the United States. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**ESL304** Intermediate High or equivalent

## ADVANCED GRAMMAR AND WRITING

### ESL601: 96.0 Hours

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.

#### Requisites:

##### Advisory

**ESL303** Intermediate Low or higher

## INTERACTIVE LANGUAGE TRAINING

### ESL606: 72.0 Hours

Provides students with supervised one-on-one and small group instruction in ESL listening, speaking, reading, writing, grammar, citizenship, employability skills, and academic subjects. Computer technology is used to enhance learning. The class is open to ESL students of all levels. Open Entry/Open Exit.

#### Requisites:

None



## ESL FOR MEDICAL OCCUPATIONS

### ESL800: 60.0 Hours

This course prepares students with the necessary language skills to succeed in vocational medical certificate programs, bridging the gap between standard ESL coursework and CTE coursework. In addition to vocabulary and communication strategies, students will explore career pathways and training needed for allied health jobs that support medical professionals such as doctors, dentists and nurses. This course is for Intermediate High and Advanced ESL students who want to improve their job-related skills. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**ESL303** Intermediate Low or equivalent

## DC CIRCUITS

### ETEC110: 3.0 Units

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.

#### Requisites:

##### Advisory

**MATH080** Intermediate Algebra

Basic principles of algebra and trigonometry will be used to solve practical applications of problems related to Direct Current Electrical Circuits in this course.

## AC CIRCUITS

### ETEC120: 3.0 Units

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.

#### Requisites:

##### Advisory

**MATH080** Intermediate Algebra

Basic principles of algebra and trigonometry will be used to solve practical applications of problems related to Direct Current Electrical Circuits in this course.

## PROGRAMMABLE LOGIC CONTROLLERS

### ETEC130: 3.0 Units

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.

#### Requisites:

##### Advisory

**MATH080** Intermediate Algebra

Basic principles of algebra and trigonometry will be used to solve practical applications of problems related to Direct Current Electrical Circuits in this course.

# Ethnic Studies

## INTRODUCTION TO ETHNIC STUDIES

### ETHN101: 3.0 Units

This introductory course will take an intersectional and interdisciplinary approach to the examination of the cultural, economic, educational, and political issues that impact various ethnic/racial groups within the United States. Using a socio-historical perspective, 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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### CSU GE - Plan B

- Area F: Ethnic Studies

## INTRODUCTION TO ASIAN PACIFIC AMERICAN STUDIES

### ETHN110: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### CSU GE - Plan B

- Area F: Ethnic Studies

##### IGETC - Plan C

- Area 7: Ethnic Studies

##### Local - Plan D

- Graduation Requirement - Ethnic Studies



## INTRODUCTION TO AFRICAN AMERICAN STUDIES

### ETHNI20: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### CSU GE - Plan B

- Area F: Ethnic Studies

##### IGETC - Plan C

- Area 7: Ethnic Studies

##### Local - Plan D

- Graduation Requirement - Ethnic Studies

## INTRODUCTION TO CHICANO STUDIES

### ETHNI30: 3.0 Units

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)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### CSU GE - Plan B

- Area F: Ethnic Studies

##### IGETC - Plan C

- Area 7: Ethnic Studies

##### Local - Plan D

- Graduation Requirement - Ethnic Studies

## INTRODUCTION TO NATIVE AMERICAN STUDIES

### ETHNI40: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### CSU GE - Plan B

- Area F: Ethnic Studies

##### IGETC - Plan C

- Area 7: Ethnic Studies

##### Local - Plan D

- Graduation Requirement - Ethnic Studies

## EARLY CHILDHOOD EDUCATION, AS-T

A.S. Degree for Transfer

#### Control Number:

35614

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 Courses & Requirements

Early Childhood Education, AS-T (Total 24.5)

Complete the following number of credits: 24.5

<b>CDEV107</b>	Child Growth and Development (DS1) 3
CDEV108	Observation and Assessment for Early Learning and Development (DS3) 3
CDEV110	Child, Family and Community (DS2) 3
CDEV111A	Principles and Practices of Teaching Young Children 3
CDEV111B	Introduction to Curriculum for Young Children 3
CDEV112	Health, Safety and Nutrition for Children 3
CDEV221	Living and Teaching in a Diverse Society 3
<b>CDEV298A</b>	Practicum in Early Childhood Programs 3.5





## EARLY CHILDHOOD LEADERSHIP AND ADMINISTRATION, CERT

Certificate of Proficiency

The Early Childhood Administrative Certificate provides the educational coursework that prepares directors, supervisors, and managers for early childhood work settings serving children from infancy through age 8. Topics include: communication, curriculum, documentation and interpretation, culturally relevant approaches to teaching and learning that include developmentally appropriate, respectful, supportive relationships with children and families, administration, marketing, and management issues, and self-care and work-life balance related to the operation of center-based early childhood education programs. Fieldwork or field-based assignments may be required. Updated immunizations per state regulations are required. A negative TB test result and state-mandated immunizations are required for certificate completion.

### Program Courses & Requirements

Early Childhood Leadership and Administration, CERT (Total 16-17)

#### Complete all of the following

Certificate requirements: (Total 14)

**Complete the following number of credits: 14**

**Complete all of the following (Total 8)**

<b>CDEV215</b>	Administration I: Programs in Early Childhood Education (DS6)	3
<b>CDEV216</b>	Administration II: Personnel and Leadership in Early Childhood Education (DS6)	3
<b>CDEV250</b>	Adult Supervision and Mentoring in Early Care and Education	2

**Complete at least one of the following rules (Total 3-9)**

<b>COMM100</b>	Introduction to Interpersonal Communication	3
<b>COMM100H</b>	Honors Introduction to Interpersonal Communication	3
<b>COMM101</b>	Group Dynamics	3

**Complete at least one of the following rules (Total 3-6)**

<b>MKTG113</b>	Principles of Marketing	3
<b>MKTG172</b>	Small Business Marketing and Advertising	3

#### Certificate requirements: (Total 2-3)

**Complete the following number of credits: 2-3**

**Complete all of the following (Total 9)**

An additional course not used above (may not be a course used to satisfy the requirements from above) (Total 3)

**Complete the following number of credits: 3**

<b>CDEV221</b>	Living and Teaching in a Diverse Society	3
<b>CDEV230</b>	Child Guidance and Classroom Management	3

**Complete at least one of the following rules (Total 2-4)**

<b>COMM100</b>	Introduction to Interpersonal Communication	2
<b>COMM100H</b>	Honors Introduction to Interpersonal Communication	2

**Complete all of the following (Total 9)**

<b>COMM101</b>	Group Dynamics	3
<b>MKTG113</b>	Principles of Marketing	3
<b>MKTG172</b>	Small Business Marketing and Advertising	3

## EARTH SCIENCES, AS

A.S. Degree Major

### Control Number:

11934

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 Courses & Requirements

Earth Sciences, AS (Total 18-21)

#### Complete all of the following

Major requirements: (Total 11)

**Complete the following number of credits: 11**

**Complete all of the following (Total 8)**

<b>ERTH100</b>	Physical Geology	3
<b>ERTH100L</b>	Physical Geology Laboratory	1
<b>ERTH111</b>	Historical Geology	4

**Complete at least one of the following rules (Total 3-9)**

<b>ERTH130</b>	Environmental Geology	3
<b>ERTH160</b>	Oceanography	3
<b>GEOG130</b>	Introduction to Weather and Climate	3

#### Select a minimum of six (6) units from the following: (Total 6)

**Complete the following number of credits: 6**

**Complete all of the following (Total 6)**

An additional course from above (may not be a course used to satisfy the requirements in above list) (Total 3)

**Complete the following number of credits: 3**

<b>ASTR103</b>	Introduction to the Solar System	3
<b>GEOG150</b>	Exploring Maps and Geographic Technologies	4

**Complete at least one of the following rules (Total 3-6)**

<b>ERTH120</b>	Earth Sciences 3	
<b>ERTH121</b>	Earth Sciences for Educators 3	

**Complete at least one of the following rules (Total 3-6)**

<b>GEOG155</b>	Introduction to Geographic Information Systems 3	
<b>SURV155</b>	Introduction to Geographic Information Systems 3	

**Complete all of the following (Total 4)**

<b>LIBI100</b>	Library Research Fundamentals 3	
<b>LIBI103</b>	Advanced Internet Research I	

#### Select a minimum of one (1) unit from the following: (Total 1-4)

**Complete the following number of credits: 1-4**

<b>ERTH200</b>	Geology of California	3
<b>ERTH212</b>	San Andreas Fault System Geology Field Study	1
<b>ERTH214</b>	Orange County Geology Field Study	1



## ECONOMICS, AA

A.A. Degree Major

### Control Number:

11943

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 Courses & Requirements

Economics, AA (Total 21-23)

**Complete the following number of credits: 21-23**

**Complete all of the following (Total 14)**

<b>ACCT101</b>	Financial Accounting	4
<b>ACCT102</b>	Managerial Accounting	4 ECON101
	Principles/Micro	3 ECON102
	Principles/Macro	3

**Complete at least one of the following rules (Total 3-8)**

<b>BUS150</b>	Introduction to Information Systems and Applications	3 MATH150
	Calculus for Biological, Management and Social Sciences	5

**Complete at least one of the following rules (Total 4-12)**

<b>MATH219</b>	Statistics and Probability	4
<b>MATH219H</b>	Honors Statistics and Probability	4
<b>MATH220</b>	Statistics and Probability with Integrated Review	4

## ECONOMICS, AA-T

A.A. Degree for Transfer

### Control Number:

32968

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 Courses & Requirements

Economics, AA-T (Total 21-24)

**Complete all of the following**

Major requirements: (Total 14-15)

**Complete the following number of credits: 14-15**

**Complete all of the following (Total 6)**

<b>ECON101</b>	Principles/Micro	3 ECON102
	Principles/Macro	3

**(Complete at least one of the following rules Total 4-12)**

<b>MATH219</b>	Statistics and Probability	4 MATH219H
	Honors Statistics and Probability	4 MATH220
	Statistics and Probability with Integrated Review	4

**Complete at least one of the following rules (Total 4-13)**

<b>MATH150</b>	Calculus for Biological, Management and Social Sciences	5 MATH180
	Single Variable Calculus I	4 MATH180H
	Honors Single Variable Calculus I	4

**Select one (1) course from the following (List A): (Total 4)**

**Complete the following number of credits: 4**

<b>ACCT101</b>	Financial Accounting	4 MATH185
	Single Variable Calculus II	4

**Select one (1) course from the following (List B): (Total 3-5)**

**Complete the following number of credits: 3-5**

An additional course from List A (may not be a course used to satisfy the requirements in List A) (Total 4)

**Complete the following number of credits: 4**

<b>ACCT102</b>	Managerial Accounting	4
<b>BUS150</b>	Introduction to Information Systems and Applications	4
<b>BUS222</b>	Business Writing	3 MATH280
	Intermediate Calculus	3 MATH287
	Introduction to Linear Algebra and Differential Equations	4 MATH290
	Linear Algebra	5



## EFFECTIVE COMMUNICATION SKILLS, CC

Certificate of Completion

**Control Number:**

36214

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 Courses & Requirements

Effective Communication Skills, CC (Total 240)

**Complete the following number of credits: 240**

<b>WKPR002</b>	Self-Advocacy	60
WKPR006	Communication Skills for Successful Employment	60
WKPR007	Social Skills and Necessary Etiquette	60
WKPR008	Building Critical Thinking Skills	60

## ELEMENTARY EDUCATION, AA

A.A. Degree Major

**Control Number:**

17759

The Associate of Arts degree in Elementary Education is designed to prepare students for transfer to a four-year university traditional or integrated elementary teacher education program. It incorporates elementary teaching subject matter requirements for preparation in subject matter competency as established by the California Teacher Credentialing Commission. The degree program requirements, and the general education recommended electives below, prepare students in content areas for the California Subject Examinations for Teachers (CSET) of Multiple Subjects. Additionally, the degree curriculum may also serve as preparation for paraprofessional positions in the K-12 classroom meeting unit requirements for paraprofessionals as established by the No Child Left Behind Act.

### Program Courses & Requirements

Elementary Education, AA (Total 25-27)

**Complete the following number of credits: 25-27**

**Complete at least one of the following rules (Total 2-5)**

<b>CNSLI18</b>	Self Exploration and the Teaching Profession	2
EDUC110	The Teaching Experience: Exploration	3

**Complete all of the following (Total 16)**

<b>EDUC101</b>	American Schools and Society	3
EDUC200	Introduction to Elementary Classroom Teaching	3
BIOLI15	Concepts in Biology for Educators	4
ENGL270	Children's Literature	3
CDEV107	Child Growth and Development (DS1)	3

**Complete at least one of the following rules (Total 4-8)**

<b>ERTH121</b>	Earth Sciences for Educators	4
PSCI00	Survey of Chemistry and Physics	4

**Complete at least one of the following rules (Total 3-7)**

<b>MATH105</b>	Mathematics for Liberal Arts Students	3 MATH203
	Fundamental Concepts of Elementary Mathematics	4

## ELEMENTARY TEACHER EDUCATION, AA-T

A.A. Degree for Transfer

**Control Number:**

31735

The Associate in Arts in Elementary Teacher Education for Transfer degree is designed to prepare students for seamless transfer to a California State University traditional or integrated teacher preparation program, most commonly found in the Liberal Studies major. It incorporates the elementary subject matter competence requirements as established by the California Teacher Credentialing Commission. The AA-T degree program requirements and the recommended electives prepare students in content areas for the California Subject Examinations for Teachers (CSET) of Multiple Subjects. Additionally, the degree curriculum may also serve as preparation for paraprofessional positions in the K-12 classroom, meeting unit requirements for paraprofessionals as established by the No Child Left Behind Act.

### Program Courses & Requirements

Elementary Teacher Education, AA-T (Total 52-57)

**Complete all of the following**

Major requirements: (Total 45)

**Complete the following number of credits: 45**

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. 0

<b>BIOLI15</b>	Concepts in Biology for Educators	4
CDEV107	Child Growth and Development (DS1)	3
COMM110	Public Speaking	3
EDUC200	Introduction to Elementary Classroom Teaching	3

**Select ENGLI01 or ENGLI01H. Credit will be awarded for one or the other. 0**

<b>ENGLI01</b>	Freshman Composition	4
ENGLI01H	Honors Freshman Composition	4

**Select ENGLI02 or ENGLI02H. Credit will be awarded for one or the other. 0**

<b>ENGLI02</b>	Literature and Composition	4
ENGLI02H	Honors Literature and Composition	4
ERTH121	Earth Sciences for Educators	4

**Select GEOG100 or GEOG100H. Credit will be awarded for one or the other. 0**

<b>GEOG100</b>	World Regional Geography	3
GEOG100H	Honors World Regional Geography	3

**Select HIST101 or HIST101H. Credit will be awarded for one or the other. 0**

<b>HIST101</b>	World Civilizations to the 16th Century	3
HIST101H	Honors World Civilizations to the 16th Century	3

**Select HIST120 or HIST120H. Credit will be awarded for one or the other. 0**

<b>HIST120</b>	The United States to 1877	3
<b>HIST120H</b>	Honors: The United States to 1877	3 MATH203
	Fundamental Concepts of Elementary Mathematics	4

**Select POLT101 or POLT101H. Credit will be awarded for one or the other. 0**

<b>POLT101</b>	American Government and Politics	3
POLT101H	Honors American Government and Politics	3
PSCI00	Survey of Chemistry and Physics	4

**Select one (1) course from the following (List A): (Total 4)**

**Complete the following number of credits: 4**

<b>ENGL103</b>	Critical Thinking and Writing	4
ENGL103H	Honors Critical Thinking and Writing	4
PHIL110	Critical Thinking	4

**Select one (1) course from the following (List B): (Total 3)**

**Complete the following number of credits: 3**

<b>ART100</b>	Introduction to Art Concepts 3
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ART100H	Honors Introduction to Art Concepts 3
DNCE100	Dance History and Appreciation 3
MUS101	Music Appreciation 3
MUS101H	Honors Music Appreciation 3
THEA100	Introduction to Theatre 3

**Up to five (5) units from the following (List C): (Total 0-5)**

**Complete the following number of credits: 0-5**

<b>ANTH104</b>	Language and Culture	3
EDUC101	American Schools and Society	3
<b>EDUC110</b>	The Teaching Experience: Exploration	3
EDUC204	Proficiency in Educational Technologies for Teachers	3
ENGL231	Survey of English Literature I	3
ENGL232	Survey of English Literature II	3
ENGL241	Survey of American Literature, 1600-1865	3
ENGL242	Survey of American Literature, 1865-Present	3
ENGL270	Children's Literature	3
ENGL271	Survey of World Literature I	3
ENGL272	Survey of World Literature II	3
ETHN101	Introduction to Ethnic Studies	3
FREN102	Elementary French II	5
HIST133	History of California	3 MATH105
Mathematics for Liberal Arts Students		3 MATH219
Statistics and Probability		4 MATH219H
Honors Statistics and Probability		4 MATH220
Statistics and Probability with Integrated Review		4
PHIL106	Introduction to Philosophy	3
PHIL106H	Honors Introduction to Philosophy	3
PHIL108	Ethics	3
PHIL112	World Religions	3
SPAN102	Elementary Spanish II	5

## EMPLOYMENT READINESS, CC

Certificate of Completion

**Control Number:**

36215

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 Courses & Requirements

Employment Readiness, CC (Total 180)

**Complete the following number of credits: 180**

<b>WKPR003</b>	Getting Around Town	60
WKPR004	Choosing the Right Employment Path	60
WKPR005	Safety on the Job	60

## ENGLISH AS A SECOND LANGUAGE PROGRAM, COM

Certificate of Competency

**Control Number:**

24285

The Certificate of Competency in English as a Second Language Program is designed to develop the reading, writing, speaking, and listening skills of limited-English speaking students, through the continuum of ESL classes, in preparation for enhanced job opportunities and transition to academic studies.

### Program Courses & Requirements

Certificate Requirements: 480 to 1080 hours (credits are in hours) (Total 480-1080)

**Complete the following number of credits: 480-1080**

<b>ESL301</b>	Beginning Low	96-216
ESL302	Beginning High	96-216
ESL303	Intermediate Low	96-216
ESL304	Intermediate High	96-216
ESL305	Advanced Low	96-216

## ENGLISH, AA

A.A. Degree Major

**Control Number:**

11928

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 Courses & Requirements

English, AA (Total 30)

**Complete all of the following**

Major requirements: (Total 12)

**Complete the following number of credits: 12**

(Total 4 -8)

**Complete at least one of the following rules (Total 4 -8)**

<b>ENGL101</b>	Freshman Composition 4	
ENGL101H	Honors Freshman Composition 4	
<b>Complete at least one of the following rules</b>		<b>(Total 4 -8)</b>

<b>ENGL102</b>	Literature and Composition	4
ENGL102H	Honors Literature and Composition	4

**Complete at least one of the following rules**

<b>ENGL103</b>	Critical Thinking and Writing	4
ENGL103H	Honors Critical Thinking and Writing	4

**Select one (1) sequence from the following: (Total 6)**

**Complete the following number of credits: 6**

**Complete all of the following (Total 6)**

<b>ENGL231</b>	Survey of English Literature I 3	
ENGL232	Survey of English Literature II 3	
<b>Complete all of the following</b>		<b>(Total 6)</b>

<b>ENGL241</b>	Survey of American Literature, 1600-1865	3
ENGL242	Survey of American Literature, 1865-Present	3

**Complete all of the following (Total 6)**

<b>ENGL271</b>	Survey of World Literature I	3
ENGL272	Survey of World Literature II	3

**Select four (4) courses from the following: (Total 12)**

**Complete the following number of credits: 12**

<b>ENGL213</b>	Creative Writing 3	
ENGL220	Survey of the Bible As Literature	3
ENGL231	Survey of English Literature I	3
ENGL232	Survey of English Literature II	3



ENGL233A	Shakespeare's Comedies and Romances	3
ENGL233B	Shakespeare's Tragedies and History Plays	3
ENGL241	Survey of American Literature, 1600-1865	3
ENGL242	Survey of American Literature, 1865-Present	3
ENGL246	Survey of Chicano Literature	3
ENGL270	Children's Literature	3
ENGL271	Survey of World Literature I	3
<b>ENGL272</b>	Survey of World Literature II	3
ENGL278	Survey of Literature by Women	3

**ENGLISH, AA-T**

A.A. Degree for Transfer

**Control Number:**

31366

The Associate in Arts in English for Transfer degree enables students to develop proficiency in written communication and in the understanding of human nature through the study of language and literature. Completion of the transfer degree in English prepares students to (1) communicate effectively, (2) exercise critical thinking and reasoning, (3) read and write to express creativity, and (4) explore the history of significant literary works. Successful completion of the transfer degree in English guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in English or a related field.

**Program Courses & Requirements**

English, AA-T (Total 20)

**Complete all of the following**

Major requirements: (Total 8)

**Complete the following number of credits: 8**

**Complete at least one of the following rules (Total 4 -8)**

<b>ENGL102</b>	Literature and Composition	4
ENGL102H	Honors Literature and Composition	4

**Complete at least one of the following rules (Total 4 -8)**

<b>ENGL103</b>	Critical Thinking and Writing	4
ENGL103H	Honors Critical Thinking and Writing	4

**Select two (2) courses from the following (List A): (Total 6)**

**Complete the following number of credits: 6**

<b>ENGL231</b>	Survey of English Literature I	3
ENGL232	Survey of English Literature II	3
ENGL241	Survey of American Literature, 1600-1865	3
ENGL242	Survey of American Literature, 1865-Present	3
ENGL271	Survey of World Literature I	3
ENGL272	Survey of World Literature II	3

**Select one (1) course from the following (List B): (Total 3)**

**Complete the following number of credits: 3**

**An additional course from List A (may not be a course used to satisfy the requirements in List A or B) (Total 3)**

**Complete the following number of credits: 3**

<b>ENGL213</b>	Creative Writing	3
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**Select one (1) course from the following (List C): (Total 3)**

**Complete the following number of credits: 3**

**An additional course from List A (may not be a course used to satisfy the requirements in List A or B) (Total 3)**

**Complete the following number of credits: 3**

<b>ENGL220</b>	Survey of the Bible As Literature	3
ENGL233A	Shakespeare's Comedies and Romances	3
<b>ENGL233B</b>	Shakespeare's Tragedies and History Plays	3
ENGL246	Survey of Chicano Literature	3
ENGL270	Children's Literature	3
ENGL278	Survey of Literature by Women	3

**ENHANCED ADVANCED ESL SKILLS, COM**

Certificate of Competency

**Control Number:**

40510

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 Courses & Requirements**

Enhanced Advanced ESL Skills, COM (Total 168)

**Complete the following number of credits: 168**

<b>ESL270</b>	Seminar for Advanced ESL Students	72
ESL601	Advanced Grammar and Writing	96

**ENHANCED BEGINNING ESL SKILLS, COM**

Certificate of Competency

**Control Number:**

30690

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 Courses & Requirements**

Enhanced Beginning ESL Skills, COM (Total 288)

**Complete the following number of credits: 288**

<b>ESL250</b>	Seminar for Beginning ESL Students	72
ESL530	American English Pronunciation	216

**ENHANCED INTERMEDIATE ESL SKILLS, COM**

Certificate of Competency

**Control Number:**

30647

The Certificate of Competency in Enhanced Intermediate ESL Skills is designed to improve the reading, writing, listening, speaking, employability, and digital literacy skills of Intermediate English as a Second Language students for better communication and personal growth.

**Program Courses & Requirements**

Enhanced Intermediate ESL Skills, COM (Total 144)

**Complete the following number of credits: 144**

<b>ESL010</b>	ESL Writing	72
ESL260	Seminar for Intermediate ESL Students	72



## ENTREPRENEURSHIP, AS

A.S. Degree Major

### Control Number:

11860

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 Courses & Requirements

Entrepreneurship, AS (Total 1 -19)

#### Complete all of the following

Major requirements: (Total 15-16)

**Complete the following number of credits: 15-16**

**Complete at least one of the following rules (Total 3-7)**

<b>ACCT100</b>	Accounting for Small Business	3
ACCT101	Financial Accounting	4

**Complete all of the following (Total 12)**

<b>BUS170</b>	Principles of Small Business Management	3
BUS171	Business Plan for Small Business	3
BUS175	Online Entrepreneurship	3
MKTG172	Small Business Marketing and Advertising	3

**Select one (1) course from the following: (Total 2-3)**

**Complete the following number of credits: 2-3**

<b>ACCT035</b>	QuickBooks	2
BUS127	Introduction to E-Commerce	3

## ENTREPRENEURSHIP, CA

Certificate of Achievement

### Control Number:

21635

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 Courses & Requirements

Entrepreneurship, CA (Total 17-19)

#### Complete all of the following

Certificate requirements: (Total 15-16)

**Complete the following number of credits: 15-16**

**Complete at least one of the following rules (Total 3-7)**

<b>ACCT100</b>	Accounting for Small Business	3
ACCT101	Financial Accounting	4

**Complete all of the following (Total 12)**

<b>BUS170</b>	Principles of Small Business Management	3
BUS171	Business Plan for Small Business	3
BUS175	Online Entrepreneurship	3
MKTG172	Small Business Marketing and Advertising	3

**Select one (1) course from the following: (Total 2-3)**

**Complete the following number of credits: 2-3**

<b>ACCT035</b>	QuickBooks	2
BUS127	Introduction to E-Commerce	3

## ENVIRONMENTAL MANAGEMENT, AS

A.S. Degree Major

### Control Number:

31847

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 Courses & Requirements

Environmental Management, AS (Total 21)

#### Complete all of the following

Major Requirements: Please select four (4) courses from the list below. (Total 12)

**Complete the following number of credits: 12**

**Complete at least one of the following rules (Total 3-6)**

<b>PBLC050</b>	Fundamentals of Public Works	3
PBLC061	Plan Interpretation and Cost Estimating	3

**CIS101** Introduction to Microsoft Office 3

**Complete at least one of the following rules (Total 3-6)**

<b>MGMT122</b>	Business Communications	3
BUS222	Business Writing	3

**Complete at least one of the following rules (Total 3-6)**

<b>PBLC150</b>	Introduction to Public Administration	3
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PBLC152	Preparing for Supervision Public Sector	3
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**Environmental Management: Please select three (3) courses from the list below. (Total 9)**

**Complete the following number of credits: 9**

<b>PBLC067</b>	Environmental Management 3	
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PBLC068	Fundamentals of Storm Water Management 3	
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<b>PBLC069</b>	Green Infrastructure Construction 3	
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WATR052	Water Conservation Practitioner 3	
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**Complete at least one of the following rules (Total 3-6)**

<b>SURV155</b>	Introduction to Geographic Information Systems	3
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GEOG155	Introduction to Geographic Information Systems	3
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## ENVIRONMENTAL MANAGEMENT, CA

Certificate of Achievement

### Control Number:

31848

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 Courses & Requirements

Environmental Management, CA (Total 21)

#### Complete all of the following

Major Requirements: Please select four (4) courses from the list below. (Total 12)

**Complete the following number of credits: 12**

**Complete at least one of the following rules (Total 3-6)**

<b>PBLC050</b>	Fundamentals of Public Works 3	
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PBLC061	Plan Interpretation and Cost Estimating 3	
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CIS101	Introduction to Microsoft Office 3	
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**Complete at least one of the following rules (Total 3-6)**

<b>MGMT122</b>	Business Communications	3
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BUS222	Business Writing	3
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**Complete at least one of the following rules (Total 3-6)**

<b>PBLC150</b>	Introduction to Public Administration	3
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PBLC152	Preparing for Supervision Public Sector	3
<b>Environmental Management: Please select three (3) courses from the list below. (Total 9)</b>		
<b>Complete the following number of credits:</b>		<b>9</b>
<b>PBLC067</b>	Environmental Management	3
PBLC068	Fundamentals of Storm Water Management	3
PBLC069	Green Infrastructure Construction	3
WATR052	Water Conservation Practitioner	3
<b>Complete at least one of the following rules (Total 3-6)</b>		
<b>GEOG150</b>	Exploring Maps and Geographic Technologies	3
SURV155	Introduction to Geographic Information Systems	3

**ESSENTIAL MATHEMATICS AND MATH STUDY SKILLS SUPPORT, COM**

Certificate of Competency

**Control Number:**  
36898

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 Courses & Requirements**

Essential Mathematics and Math Study Skills Support, COM (Total 244)

**Complete the following number of credits:** **244**

<b>MATHCE100</b>	Math Study Skills and Basic Skills Support	100	MATHCE206	College Preparation Essential Mathematics	144
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**ESTHETICIAN, CA**

Certificate of Achievement

**Control Number:**  
36520

The Certificate of Achievement in Esthetician is designed to exceed minimum California Board of Barbering and Cosmetology standards. Students will experience a combination of lecture and laboratory instruction covering various topics such as manual, electrical and chemical facials. Proficiencies to be developed include principles of sanitation, client management as well as compliance with laws and administrative regulations. Courses are offered on an open enrollment basis and students may enroll at any time. Students are required to purchase a basic cosmetology kit.

**Program Courses & Requirements**

Esthetician, CA (Total 20)

**Complete the following number of credits:** **20**

<b>COSM005</b>	Health and Safety	7
COSM080	Esthetician	13

**ETHNIC STUDIES, AA**

A.A. Degree Major

**Control Number:**  
39808

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 Courses & Requirements**

Ethnic Studies, AA (Total 18)

**Complete all of the following**

Major Requirements: (Total 15)

**Complete the following number of credits:** **15**

<b>ETHN101</b>	Introduction to Ethnic Studies	3
ETHN110	Introduction to Asian Pacific American Studies	3
ETHN130	Introduction to Chicano Studies	3
ETHN120	Introduction to African American Studies	3
ETHN140	Introduction to Native American Studies	3

**Select one (1) from the following: (Total 3)**

**Complete the following number of credits:** **3**

<b>ANTH100</b>	Introduction to Cultural Anthropology	3	ANTH100H	Honors Introduction to Cultural Anthropology	3
COMMI20	Intercultural Communication	3	COMMI20H	Honors Introduction to Intercultural Communication	3
<b>ENGL246</b>	Survey of Latinx Literature	3	HIST118	Social and Cultural History of the United States	3
HIST118	Social and Cultural History of the United States	3	HIST124	Mexican American History in the United States	3
HIST124	Mexican American History in the United States	3	HIST132	Modern African History	3
HIST132	Modern African History	3	HIST142	History of the Modern Middle East	3
HIST142	History of the Modern Middle East	3	HIST152	Latin American History	3
HIST152	Latin American History	3	HIST162	Asian Civilizations	3
HIST162	Asian Civilizations	3	SOC150	Introduction to Race and Ethnicity	3
SOC150	Introduction to Race and Ethnicity	3			

**EXECUTIVE SECRETARY/ADMINISTRATIVE ASSISTANT, CC**

Certificate of Completion

**Control Number:**  
24426

The Certificate of Completion in Executive Secretary/Administrative 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 Courses & Requirements**

Executive Secretary/Administrative Assistant, CC (Total 360)

**Complete the following number of credits:** **360**

<b>VBUS013</b>	Introduction to Personal Management using Microsoft Outlook	60
WKPR500	Workforce Readiness	60
VBUS260	Introduction to Word Processing using MS Word	60
VBUS261	Introduction to Databases using MS Access	60



VBUS262	Introduction to Spreadsheets using MS Excel	60
VBUS304	Introduction to Electronic Presentations using MS PowerPoint	60

## French

### ELEMENTARY FRENCH I

#### FREN101: 5.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 6: Language Other than English

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

### ELEMENTARY FRENCH II

#### FREN102: 5.0 Units

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.

#### Requisites:

Prerequisite

**FREN101** Elementary French

or two years of high school French with a grade of C or better

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities
- Area 6: Language Other than English

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

### CONVERSATION AND COMPOSITION I

#### FREN194: 3.0 Units

Course emphasizes extensive practice in oral expression and listening comprehension in the context of French culture, daily life, and topics of current interest.

#### Requisites:

##### Prerequisite

**FREN101** Elementary French I

or two years of high school French with a grade of C or better

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### INTERMEDIATE FRENCH I

#### FREN201: 5.0 Units

A college-level French class focusing on expansive review of usage and grammar, discussion in French of interpretive reading material, and conversation and composition.

#### Prerequisite

**FREN102** Elementary French II

or three years of high school French with a grade of C or better

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities
- Area 6: Language Other than English

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities





## INTERMEDIATE FRENCH II

### FREN202: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**FREN201** Intermediate French I

**or four years of high school French with a grade of C or better**

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities
- Area 6: Language Other than English

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area C2 - Humanities

## FILM/TV PRODUCING, CA

Certificate of Achievement

The Producing Certificate of Achievement in Cinema Studies is designed to give the student a basic understanding of the history, business and aesthetics of the film and television industries so that the student can become a valuable member of the producer's team.

### Program Courses & Requirements

Film/TV Producing, CA (Total 18)

#### Complete all of the following

Certificate Requirements: (Total 15)

**Complete the following number of credits: 15**

**Complete all of the following (Total 6)**

<b>CINE103</b>	History of Film to 1945	3
CINE104	History of Film From 1945 to Present	3

**Complete at least one of the following rules (Total 3-6)**

<b>CINE107</b>	Great Directors	3
CINE108	Film Genres	3

**Complete at least one of the following rules (Total 3-9)**

<b>CINE122</b>	Screenwriting for Digital Media	3
CINE124	Introduction to Digital Media Production	3
CINE130	Film Appreciation	3

**Complete at least one of the following rules (Total 3-6)**

<b>CINE150A</b>	Film/TV Producing I	3
CINE150B	Film/TV Producing II	3

**Select one (1) course from the following: (Total 3)**

**Complete the following number of credits: 3**

<b>BUS090</b>	Principles of Project Management	3
BUS100	Fundamentals of Business	3
BUS105	Legal Environment of Business	3
BUS120	Principles of Management	3
BUS121	Human Relations and Organizational Behavior	3
BUS170	Principles of Small Business Management	3

## FINANCIAL ADVISOR PREPARATION, CC

Certificate of Completion

### Control Number:

41165

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 Courses & Requirements

Financial Advisor Preparation, CC (Total 120)

**Complete the following number of credits: 120**

<b>VBUS160</b>	Introduction to Financial Services and Investments	60
VBUS161	Introduction to Bitcoin and Digital Assets	60

## FIRST-LINE SUPERVISOR/MANAGER, OFFICE & ADMINISTRATIVE SUPPORT WORKERS, CC

Certificate of Completion

### Control Number:

24187

The Certificate of Completion in First-Line Supervisor/Manager, Office and Administrative Support Workers is designed for both entry-level and experienced office workers looking for a promotion. Graduates will have expert office skills and in-depth software knowledge. The program provides training in office information systems and communications, work process and organizational performance improvement, business decision-making, project management, and capital and human resource management.

### Program Courses & Requirements

First-Line Supervisor/Manager, Office & Administrative Support Workers, CC (Total 480)

**Complete the following number of credits: 480**

<b>VBUS014</b>	Introduction to Mobile and Social Media Tools	60
VBUS097	Introduction to Personal Commerce on the Internet	60
VBUS103	Introduction to MS Project	60
VBUS118	Introduction to Windows	60
VBUS257	Seminar in Business Applications	60
<b>VBUS260</b>	Introduction to Word Processing using MS Word	60
VBUS262	Introduction to Spreadsheets using MS Excel	60
VBUS304	Introduction to Electronic Presentations using MS PowerPoint	60



## FOOD HANDLER, CC

Certificate of Completion

**Control Number:**

38181

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 Courses & Requirements

Food Handler, CC (Total 96)

**Complete the following number of credits:** **96**

<b>VFOOD005</b>	Food Handler Test Preparation	36
WKPR500	Workforce Readiness	60

## FOOD SERVICE MANAGER, CC

Certificate of Completion

**Control Number:**

24093

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 Courses & Requirements

Food Service Manager, CC (Total 132)

**Complete the following number of hours:** **132**

<b>VFOOD010</b>	Food Service Manager Test Preparation	72
WKPR500	Workforce Readiness	60

# Gemology

## INTRODUCTORY COLORED STONES

### GEM011: 4.0 Units

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.

#### Requisites:

None

## ADVANCED COLORED STONES

### GEM012: 4.0 Units

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.

#### Requisites:

Advisory

**GEM011** Introductory Colored Stones

## COLORED STONES AND DIAMOND LAB

### GEM015: 1.0 Units

Laboratory experience in testing and identification of colored gemstones and/or full grading of diamonds for clarity, color, cut and carat weight.

#### Requisites:

##### Advisory

Previous or concurrent enrollment in another Gemology course

## DIAMONDS

### GEM020: 4.0 Units

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.

#### Requisites:

None

## ANTIQUE AND PERIOD JEWELRY

### GEM030: 3.0 Units

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.

#### Requisites:

None

## PEARLS

### GEM050: 3.0 Units

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.

#### Requisites:

None

# Geography

## WORLD REGIONAL GEOGRAPHY

### GEOG100: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Geography



## WORLD REGIONAL GEOGRAPHY

### GEOG100: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Geography

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## HONORS WORLD REGIONAL GEOGRAPHY

### GEOG100H: 3.0 Units

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.

#### Requisites:

None

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Geography

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## INTRODUCTION TO THE NATURAL ENVIRONMENT

### GEOG101: 3.0 Units

Introduction to the physical elements of geography: maps, earth/sun relationships, meteorology and climatology, natural vegetation, soils, and geomorphology. Former Title: Physical Geography (2021)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Geography

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area E1 - Physical Sciences

## HONORS INTRODUCTION TO THE NATURAL ENVIRONMENT

### GEOG101H: 3.0 Units

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)

#### Requisites:

None

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area E1 - Physical Sciences



## INTRODUCTION TO THE NATURAL ENVIRONMENT LABORATORY

### GEOG101L: 1.0 Units

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)

#### Requisites:

#### Prerequisite

**GEOG101** Physical Geography  
or concurrent enrollment

#### OR

#### Prerequisite

**GEOG101H** Honors Physical Geography

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5C: Laboratory Activities

#### Course Identifier (C-ID)

- Geography

#### Santa Ana College - Shared Course

- Shared Course with SAC

## CULTURAL GEOGRAPHY

### GEOG102: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Geography

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## HONORS CULTURAL GEOGRAPHY

### GEOG102H: 3.0 Units

An enriched and intensive study, including seminar approach with individual written and oral presentations on the geography of culture, and the influences of the physical environment on culture, along with the impact of human activity on the environment, and the role of culture within societies and social groups. The course includes global patterns of population, migration, religion, language, agriculture, politics, customs, resources, and urban and rural settlement.

#### Requisites:

None

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Geography

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## INTRODUCTION TO WEATHER AND CLIMATE

### GEOG130: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

#### Course Identifier (C-ID)

- Geography

##### Local - Plan D

- Area E1 - Physical Sciences

## HONORS INTRODUCTION TO WEATHER AND CLIMATE

### GEOG130H: 3.0 Units

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.

**Requisites:**

None

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area A: Natural Sciences

**CSU GE - Plan B**

- Area BI: Physical Sciences

**IGETC - Plan C**

- Area 5A: Physical Science

**Course Identifier (C-ID)**

- Geography

**Local - Plan D**

- Area EI - Physical Sciences

**CALIFORNIA GEOGRAPHY**

**GEOG140: 3.0 Units**

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.

**Requisites:**

**Advisory**

**GEOG100** World Regional Geography

**OR**

**Advisory**

**GEOG100H** Honors World Regional Geography

**General Education Plan:**

**CSU GE - Plan B**

- Area D: Social Sciences

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**Course Identifier (C-ID)**

- Geography

**EXPLORING MAPS AND GEOGRAPHIC TECHNOLOGIES**

**GEOG150: 3.0 Units**

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)

**Requisites:**

None

**Course Identifier (C-ID)**

- Geography

**INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS**

**GEOG155: 3.0 Units**

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.

**Requisites:**

Anti-Requisite

**SURV155** Introduction to Geographic Information Systems

**Entrance Skills:**

- Familiarity with PC and Windows operating environment

**General Education Plan:**

**CSU GE - Plan B**

- Area D: Social Sciences

**Course Identifier (C-ID)**

- Geography

**REGIONAL FIELD STUDIES**

**GEOG160: 1.0 Units**

This lecture and laboratory field course studies 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.

**Requisites:**

None

**General Education Plan:**

**Course Identifier (C-ID)**

- Geography



# Gender Studies Women's Studies

## INTRODUCTION TO WOMEN'S STUDIES

### GSWSI01: 3.0 Units

A multicultural survey of social trends, issues, opportunities, and topics of special interest to women. Discussion includes sex, sex role stereotyping, family problems, work, law, gender equity, physical and mental health, feminism, rape, and women in arts, sciences, history and business. Field trips may be required. Previous Title: Women's Studies 101, Introduction to Women's Studies (2018)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Social Justice Studies

## MONEY, SEX, AND POWER

### GSWSI02: 3.0 Units

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)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area D1 - Ethnic Studies/Gender Sexuality and Women's Studies
- Area C2 - Humanities

## MEN AND MASCULINITIES

### GSWSI03: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### Local - Plan D

- Area D1 - Ethnic Studies/Gender Sexuality and Women's Studies
- Area C2 - Humanities

## GEMOLOGY, AS

A.S. Degree Major

#### Control Number:

11874

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 Courses & Requirements

Gemology, AS (Total 18)

**Complete the following number of credits: 18**

<b>GEM011</b>	Introductory Colored Stones	4
GEM012	Advanced Colored Stones	4
GEM020	Diamonds	4
GEM030	Antique and Period Jewelry	3
GEM050	Pearls	3

## GEMOLOGY, CA

Certificate of Achievement

#### Control Number:

21644

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 Courses & Requirements

GEMology, CA (Total 18)

**Complete the following number of credits: 18**

<b>GEM011</b>	Introductory Colored Stones	4
GEM012	Advanced Colored Stones	4
GEM020	Diamonds	4
GEM030	Antique and Period Jewelry	3
GEM050	Pearls	3



## GENDER, SEXUALITY, AND WOMEN'S STUDIES, AA

A.A. Degree Major

**Control Number:**

11938

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 Courses & Requirements

Gender, Sexuality, and Women's Studies, AA (Total 18-19)

**Complete all of the following**

Major requirements:

**Complete all of the following (Total 15)**

<b>GSWS101</b>	Introduction to Women's Studies	3
GSWS102	Money, Sex, and Power	3
GSWS103	Men and Masculinities	3
HIST127	Women in U.S. History	3
SOC220	Introduction to Gender and Sexualities	3

**Select three (3) to four (4) units from the following: (Total 3-4)**

**Complete the following number of credits: 3-4**

<b>CNSL116</b>	Career/Life Planning and Personal Exploration	3
<b>COMM225</b>	Gender Communication	3
COMM225H	Honors Gender Communication	3
ENGL278	Survey of Literature by Women	3
IDS155	Human Sexuality	3
INFO103	Researching in the Digital Age	1
KINI110	Women's Health Issues	3
PHIL108	Ethics	3
POLT221	Women in American Politics	3
PSYC180	Psychology of Gender	3
SOC130	Relationships, Marriages, and Family Dynamics	3
SOC286	Introduction to LGBTQ Studies	3

## GENERAL ACCOUNTING, CERT

Certificate of Proficiency

### Program Courses & Requirements

General Accounting, CERT (Total 14)

**Complete the following number of credits: 14**

**Complete all of the following (Total 8)**

<b>ACCT101</b>	Financial Accounting	4
ACCT102	Managerial Accounting	4

**Complete at least one of the following rules (Total 3-6)**

<b>BUSI50</b>	Introduction to Information Systems and Applications	3
CIS101	Introduction to Microsoft Office	3

**Complete at least one of the following rules (Total 3-6)**

<b>BUS222</b>	Business Writing	3
MGMT122	Business Communications	3

## GENERAL BIOTECHNOLOGY TECHNICIAN, CA

Certificate of Achievement

**Control Number:**

32602

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 Courses & Requirements

General Biotechnology Technician, CA (Total 31)

**Complete all of the following**

Certificate requirements: (Total 25)

**Complete the following number of credits: 25**

**Complete all of the following (Total 16)**

<b>BIOL191</b>	Biotech A: Basic Lab Skills	4
BIOL192	Biotech B: Proteins	4
<b>BIOL193</b>	Biotech C: Nucleic Acids	4
BIOL194	Quality and Regulatory Compliance in Biosciences	2
BIOL202	Cell Culture Techniques	2
BIOL190	Introduction to Biotechnology	3

**Complete at least one of the following rules (Total 5-10)**

<b>CHEM200A</b>	General Chemistry A	5
CHEM200AH	Honors General Chemistry A	5

**Complete at least one of the following rules (Total 1-6)**

<b>BIOL190L</b>	Introduction to Biotechnology Lab	1
BIOL211	Cellular and Molecular Biology	5

**Select a minimum of six (6) units from the following (may not be a course used to satisfy the certificate requirements): (Total 6)**

**Complete the following number of credits: 6**

**Complete at least one of the following rules (Total 4-9)**

<b>BIOL139</b>	Health Microbiology	4
BIOL229	General Microbiology	5

**Complete at least one of the following rules (Total 1-19)**

<b>BIOL197</b>	Science, Technology, Engineering and Mathematics (STEM) Internship	1-4
BIOL290	Biochemistry and Molecular Biology	5
CHEM200B	General Chemistry B	5
BIOL211	Cellular and Molecular Biology	5



## GENERAL ELECTRICIAN, AS

A.S. Degree Major

### Control Number:

18791

The Associate of Science degree in General Electrician provides instruction for those seeking a career as an electrician. This meets the state requirements as an electrician trainee program.

### Program Courses & Requirements

General Electrician, AS (Total 31.5)

**Complete the following number of credits: 31.5**

<b>ELCT041</b>	General Electrician 1	3
ELCT042	General Electrician 2	3
ELCT043	General Electrician 3	3
ELCT044	General Electrician 4	3
ELCT046	General Electrician 6	3
ELCT045	General Electrician 5	3
<b>ELCT047</b>	General Electrician 7	3
ELCT048	General Electrician 8	3
ELCT049	General Electrician 9	3
ELCT050	General Electrician 10	3
ELCT051	Quality Safety Program and First Aid	1.5

## GENERAL ELECTRICIAN, CA

Certificate of Achievement

### Control Number:

18790

The Certificate of Achievement in General Electrician provides instruction for those seeking a career as an electrician. This meets the state requirements as an electrician trainee program.

### Program Courses & Requirements

General Electrician, CA (Total 31.5)

**Complete the following number of credits: 31.5**

<b>ELCT041</b>	General Electrician 1	3
ELCT042	General Electrician 2	3
ELCT043	General Electrician 3	3
ELCT044	General Electrician 4	3
ELCT045	General Electrician 5	3
ELCT046	General Electrician 6	3
ELCT047	General Electrician 7	3
ELCT048	General Electrician 8	3
ELCT051	Quality Safety Program and First Aid	1.5
ELCT050	General Electrician 10	3
ELCT049	General Electrician 9	3

## GENERAL MANAGEMENT, AS

A.S. Degree Major

### Control Number:

11861

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 Courses & Requirements

General Management, AS (Total 19-20)

**Complete all of the following**

Major requirements: (Total 13)

**Complete the following number of credits: 13**

<b>ACCT101</b>	Financial Accounting	4
BUS100	Fundamentals of Business	3
<b>Select BUS120 or MGMT120. Credit will be awarded for only one. 0</b>		
<b>BUS120</b>	Principles of Management	3
MGMT120	Principles of Management	3
<b>Select BUS222 or MGMT122. Credit will be awarded for only one. 0</b>		
<b>BUS222</b>	Business Writing	3
MGMT122	Business Communications	3

**Select two (2) courses from the following: (Total 6-7)**

**Complete the following number of credits: 6-7**

<b>ACCT100</b>	Accounting for Small Business	3
ACCT102	Managerial Accounting	4
BUS105	Legal Environment of Business	3
BUS121	Human Relations and Organizational Behavior	3
BUS150	Introduction to Information Systems and Applications	3
MKTG113	Principles of Marketing	3
MGMT121	Human Relations and Organizational Behavior	3

**BUS121 or MGMT121 are considered the same course. Credit will be awarded for only one.**

## GENERAL MARKETING, AS

A.S. Degree Major

### Control Number:

11866

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 Courses & Requirements

General Marketing, AS (Total 18-19)

**Complete all of the following**

Major requirements: (Total 15-16)

**Complete the following number of credits: 15-16**

**Select ACCT100 or ACCT101. Credit will be awarded for only one. 0**

<b>ACCT100</b>	Accounting for Small Business	3
ACCT101	Financial Accounting	4
<b>Select BUS222 or MGMT122. Credit will be awarded for only one.</b>		
<b>BUS222</b>	Business Writing	3
MGMT122	Business Communications	3
MKTG112	Principles of Advertising	3
MKTG113	Principles of Marketing	3





MKTG115	Consumer Behavior	3
<b>Select one (1) course from the following: (Total 3)</b>		
<b>Complete the following number of credits:</b>		<b>3</b>
<b>BUS100</b>	Fundamentals of Business	3
BUS127	Introduction to E-Commerce	3
MKTG114	Professional Selling	3
MKTG135	Web Marketing and Promotion	3

**GENERAL MARKETING, CERT**

Certificate of Proficiency

The Certificate of Proficiency 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. 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 Courses & Requirements**

General Marketing, CERT (Total 12)

<b>Complete the following number of credits:</b>		<b>12</b>
<b>MKTG112</b>	Principles of Advertising	3
MKTG113	Principles of Marketing	3
MKTG114	Professional Selling	3
MKTG115	Consumer Behavior	3

**GENERAL MEDICAL OFFICE CLERK, CC**

Certificate of Completion

**Control Number:**

36208

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 Courses & Requirements**

General Medical Office Clerk, CC (Total 300)

<b>Complete the following number of credits:</b>		<b>300</b>
<b>WKPR007</b>	Social Skills and Necessary Etiquette	60
WKPR010	Customer Service for the Medical Field	60
WKPR016	Long Term Competitive Employment Training	180

**GENERAL OFFICE CLERK, CC**

Certificate of Completion

**Control Number:**

24095

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 Courses & Requirements**

General Office Clerk, CC (Total 396)

<b>Complete the following number of credits:</b>		<b>396</b>
<b>VBUS118</b>	Introduction to Windows	60
VBUS119	Introduction to Keyboarding and Basic Windows	60
VBUS140	Introduction to Google Applications for Work	60
VBUS260	Introduction to Word Processing using MS Word	60
VBUS262	Introduction to Spreadsheets using MS Excel	60
WKPR500	Workforce Readiness	60
VBUS258	Navigating the Internet	36

**GEOGRAPHY, AA-T**

A.A. Degree for Transfer

**Control Number:**

32364

The Associate in Arts in Geography for Transfer degree provides students with an interdisciplinary background for entry into a curriculum at a four-year institution leading to a baccalaureate degree with career opportunities in a wide range of jobs in government, such as Bureau of Census, Central Intelligence Agency (CIA), Drug Enforcement Administration (DEA), United States Geological Survey (USGS), United States Citizenship and Immigration Services (USCIS), United States Immigration and Customs Enforcement (ICE), United States Department of State, and in private industry, such as planning market research, land use analysis, transportation, travel and tourism, and education.

**Program Courses & Requirements**

Geography, AA-T (Total 19)

**Complete all of the following**

Major requirements: (Total 7)

<b>Complete the following number of credits:</b>	<b>7</b>
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**Complete at least one of the following rules (Total 3-6)**

<b>GEOG101</b>	Physical Geography	3
GEOG101H	Honors Physical Geography	3
GEOG101L	Physical Geography Laboratory	1

**Complete at least one of the following rules (Total 3-6)**

<b>GEOG102</b>	Cultural Geography	3
GEOG102H	Honors Cultural Geography	3

**Select two (2) courses from the following (List A): (Total 6)**

**Complete the following number of credits: 6**

**Complete at least one of the following rules (Total 3-6)**

<b>GEOG100</b>	World Regional Geography	3
GEOG100H	Honors World Regional Geography	3
GEOG160	Regional Field Studies	1

**Complete at least one of the following rules (Total 3-6)**

<b>GEOG130</b>	Introduction to Weather and Climate	3
GEOG130H	Honors Introduction to Weather and Climate	3

**Complete all of the following (Total 6)**

<b>GEOG140</b>	California Geography	3
GEOG150	Exploring Maps and Geographic Technologies	3

**Complete at least one of the following rules (Total 3-6)**

<b>GEOG155</b>	Introduction to Geographic Information Systems	3
SURV155	Introduction to Geographic Information Systems	3

**Select two (2) courses from the following (List B): (Total 6)**

**Complete the following number of credits: 6**

**Complete at least one of the following rules (Total 3-6)**

<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology	3

**An additional course from List A (Total 3)**

**Complete the following number of credits: 3**

**Complete all of the following (Total 6)**

<b>ERTH100</b>	Physical Geology	3
POLT220	International Politics	3

**Complete at least one of the following rules (Total 3-6)**

<b>BIOL109</b>	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3

**Complete all of the following (Total 6)**

<b>ERTH160</b>	Oceanography	3
SOC150	Introduction to Race and Ethnicity	3



## GEOLOGY, AS-T

A.S. Degree for Transfer

### Control Number:

32044

The Associate in Science in Geology for Transfer degree prepares students for transfer to a four-year college or university to complete a baccalaureate degree in a geoscience major. Geoscientists find employment with environmental companies that clean up and monitor pollution problems. Geotechnical companies also employ geoscientists to evaluate risk from earthquakes, landslides, and other geological hazards. Oil and mining companies employ geoscientists to find new resources. The federal, state, county, and city governments also employ geoscientists for many of the same functions, as well as for geoscience research, and to monitor compliance with environmental regulations. Universities, colleges, and museums offer opportunities for teaching and/or research. Successful completion of the Associate in Science in Geology for Transfer guarantees the student acceptance to a California State University campus to pursue a baccalaureate degree in geology or a related field. While it does not guarantee the student acceptance to the University of California system, it does provide the major preparation needed by geology students transferring to a University of California campus in geology or related fields.

### Program Courses & Requirements

Geology, AS-T (Total 26)

**Complete the following number of credits: 26**

**Complete at least one of the following rules (Total 5-10)**

**CHEM200A** General Chemistry A 5

**CHEM200AH** Honors General Chemistry A 5

**Complete all of the following (Total 17)**

**CHEM200B** General Chemistry B 5 MATH185

Single Variable Calculus II 4

**ERTH100** Physical Geology 3

**ERTH100L** Physical Geology Laboratory 1

**ERTH111** Historical Geology 4

**Complete at least one of the following rules (Total 4-8)**

**MATH180** Single Variable Calculus I 4 MATH180H

Honors Single Variable Calculus I 4

## GLOBAL STUDIES, CA

Certificate of Achievement

### Control Number:

39807

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 Courses & Requirements

Global Studies, CA (Total 12)

**Complete all of the following**

Certificate Requirements: (Total 3)

**Complete the following number of credits: 3**

**HIST102** World Civilizations Since the 16th Century 3

**HIST102H** Honors World Civilizations Since the 16th Century 3

**Select two (2) courses from the following: (Total 6)**

**Complete the following number of credits: 6**

**HIST132** Modern African History 3

**HIST142** History of the Modern Middle East 3

**HIST152** Latin American History 3

**HIST162** Asian Civilizations 3

**Select one (1) course from the following: (Total 3)**

**Complete the following number of credits: 3**

**GEOG100** World Regional Geography 3

**GEOG100H** Honors World Regional Geography 3

**POLT220** International Politics 3

## GRAPHIC DESIGN, AS

A.S. Degree Major

### Control Number:

11921

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 Courses & Requirements

Graphic Design, AS (Total 30)

**Complete all of the following**

Major requirements: (Total 27)

**Complete the following number of credits: 27**

**ART100** Introduction to Art Concepts 3

**ART100H** Honors Introduction to Art Concepts 3

**ART110** Two-Dimensional Design 3

**ART111** Three-Dimensional Design 3

**ART122** Graphic Design I 3

**ART129** Introduction to Web Design 3

**ART130** Introduction to Drawing 3



ART131	Beginning Life Drawing	3
ART195	Introduction to Digital Media Arts	3
MKTG112	Principles of Advertising	3
<b>Select one (1) course from the following: (Total 3)</b>		
<b>Complete the following number of credits:</b>		
<b>ART101</b>	Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART101H	Honors Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART102	Survey of Western Art History II: Renaissance Through the Twentieth Century	3
ART102H	Honors Survey of Western Art History II: Renaissance Through the Twentieth Century	3
ART128	Introduction to Illustration	3
<b>ART149</b>	Introduction to Digital Photography	3
ART159	Introduction to Mobile Application Development and Design	3
ART221	Graphic Design II	3
ART228	Intermediate Illustration	3
ART229	Multimedia Applications for the Web	3
ART230	Intermediate Drawing	3
ART231	Intermediate Life Drawing	3
ART232	Advanced Life Drawing	3
ART233	Advanced Drawing	3
ART241	Intermediate Painting	3
ART242	Advanced Painting	3
ART249	Intermediate Digital Photography	3
ART250	Advanced Studio Concepts	3
ART259	Advanced Mobile Application Development and Design	3
CMPR105	Visual BASIC Programming	3

# History

## HUMANITIES: WHAT, WHY & HOW TO SUCCEED

### HIST099: 1.0 Units

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.

**Requisites:**

None

## WORLD CIVILIZATIONS TO THE 16TH CENTURY

### HIST101: 3.0 Units

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area B: Social and Behavioral Sciences

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

**IGETC - Plan C**

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

**Course Identifier (C-ID)**

- History

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences
- Area C2 - Humanities

## HONORS WORLD CIVILIZATIONS TO THE 16TH CENTURY

### HIST101H: 3.0 Units

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.

**Requisites:**

None

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area B2: Social and Behavioral Sciences: Social Science Elective

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

**IGETC - Plan C**

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- History

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences



- Area C2 - Humanities

## WORLD CIVILIZATIONS SINCE THE 16TH CENTURY

### HISTI02: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- History

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences
- Area C2 - Humanities

## HONORS WORLD CIVILIZATIONS SINCE THE 16TH CENTURY

### HISTI02H: 3.0 Units

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.

#### Requisites:

None

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- History

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences
- Area C2 - Humanities

## AFRICAN AMERICAN HISTORY

### HISTI15: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

##### CSU GE - Plan B

- Area US1: Historical Development of American Institutions and Ideals
- Area D: Social Sciences
- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area C: Humanities
- Area D: Cultural Breadth

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES

### HISTI18: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B1: Social and Behavioral Sciences: American Institutions

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences



**THE UNITED STATES TO 1877**

**HIST120: 3.0 Units**

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area BI: Social and Behavioral Sciences: American Institutions

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

**IGETC - Plan C**

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- History

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**HONORS THE UNITED STATES TO 1877**

**HIST120H: 3.0 Units**

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.

**Requisites:**

None

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area BI: Social and Behavioral Sciences: American Institutions

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

**IGETC - Plan C**

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- History

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**THE UNITED STATES SINCE 1865**

**HIST121: 3.0 Units**

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)

**Requisites:**

**Anti-Requisite**

**HIST122** American History-Dynamics of Change

**General Education Plan:**

**Local - Plan A**

- Area BI: Social and Behavioral Sciences: American Institutions

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

**IGETC - Plan C**

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- History

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**HONORS THE UNITED STATES SINCE 1865**

**HIST121H: 3.0 Units**

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)

**Requisites:**

**Anti-Requisite**

**HIST122** American History-Dynamics of Change

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area BI: Social and Behavioral Sciences: American Institutions

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

**IGETC - Plan C**

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals



### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### Course Identifier (C-ID)

- History

### Santa Ana College - Shared Course

- Shared Course with SAC

### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## AMERICAN HISTORY-DYNAMICS OF CHANGE

### HIST122: 3.0 Units

Survey of the main cultural, economic, social, and political changes in American history. Fulfills the American institutions requirement for graduation. Credit will not be given to students who already earned credit for History 120/120H or 121/121H.

### Requisites:

None

### General Education Plan:

#### Local - Plan A

- Area B1: Social and Behavioral Sciences: American Institutions

#### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

#### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals

## AMERICAN HISTORY-DYNAMICS OF CHANGE

### HIST122: 3.0 Units

Survey of the main cultural, economic, social, and political changes in American history. Fulfills the American institutions requirement for graduation. Credit will not be given to students who already earned credit for History 120/120H or 121/121H.

### Requisites:

None

### General Education Plan:

#### Local - Plan A

- Area B1: Social and Behavioral Sciences: American Institutions

#### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

#### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals

## MEXICAN AMERICAN HISTORY IN THE UNITED STATES

### HIST124: 3.0 Units

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.

### Requisites:

None

### General Education Plan:

#### Local - Plan A

- Area D: Cultural Breadth

#### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

#### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals

### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### Santa Ana College - Shared Course

- Shared Course with SAC

### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## UNITED STATES SINCE 1945

### HIST126: 3.0 Units

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.

### Requisites:

#### Advisory

**HIST121** The United States Since 1865

### General Education Plan:

#### Local - Plan A

- Area B1: Social and Behavioral Sciences: American Institutions
- Area B2: Social and Behavioral Sciences: Social Science Elective

#### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

#### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### Local - Plan D

- Area D2 - Social and Behavioral Sciences



## WOMEN IN U.S. HISTORY

### HIST127: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences
- Area US1: Historical Development of American Institutions and Ideals

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences
- Area US1: Historical Development of American Institutions and Ideals

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## MODERN AFRICAN HISTORY

### HIST132: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences
- Area C2 - Humanities

## HISTORY OF CALIFORNIA

### HIST133: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## HISTORY OF THE MODERN MIDDLE EAST

### HIST142: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

##### Local - Plan A

- Area C: Humanities
- Area D: Cultural Breadth

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences
- Area C2 - Humanities



## LATIN AMERICAN HISTORY

### HIST152: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## ASIAN CIVILIZATIONS

### HIST162: 3.0 Units

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 analyze 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 politics, societies, and ideas on the rest of the globe is also examined in this course.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)
- Area D: Social Sciences

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## INTRODUCTION TO PEACE AND CONFLICT STUDIES

### HIST240: 3.0 Units

Historical, social and economic development of the world order along with a wide range approach integral to the examination of global 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.

#### Requisites:

##### Advisory

**POLT101** American Government and Politics

##### OR

##### Advisory

**POLT101H** Honors American Government and Politics

##### OR

##### Advisory

**POLT220** International Politics

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## High School

### LITERATURE BROUGHT TO LIFE

#### HSART020: 72.0 Hours

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.

#### Requisites:

##### Anti-Requisite

**HSENG020** Literature Brought to Life

### SHORT STORIES

#### HSART070:

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.

#### Requisites:

None

#### Requisites:

None

### THE FILM AS ART

#### HSART837: 72.0 Hours

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.





**Requisites:**

None

**DRAWING AND PAINTING I**

**HSART845: 72.0 Hours**

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.

**Requisites:**

None

**DRAWING AND PAINTING 2**

**HSART846: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSART845** Drawing and Painting I

**LITERATURE BROUGHT TO LIFE**

**HSENG020: 72.0 Hours**

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.

**Requisites:**

**Anti-Requisite**

**HSART020** Literature Brought to Life

**AP ENGLISH IA**

**HSENG030: 72.0 Hours**

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.

**Requisites:**

None

**ENGLISH THROUGH LITERATURE I I B**

**HSENG050: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSENG063** English Through Literature I I A

**ENGLISH THROUGH LITERATURE I2B**

**HSENG051: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSENG064** English Through Literature I2A

**ENGLISH LANGUAGE ARTS I**

**HSENG052: 72.0 Hours**

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.

**Requisites:**

None

**ENGLISH LANGUAGE ARTS 2**

**HSENG053: 72.0 Hours**

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.

**Requisites:**

None

**ENGLISH THROUGH LITERATURE I I A**

**HSENG063: 72.0 Hours**

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.

**ENGLISH THROUGH LITERATURE I2A**

**HSENG064: 72.0 Hours**

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.

**ENGLISH FUNDAMENTALS 2**

**HSENG066: 72.0 Hours**

Introduces and reinforces the basic concepts of sentence structure, punctuation, grammar, parts of speech, and sentence writing skills. Open Entry/Open Exit

**Requisites:**

None

**ENGLISH FUNDAMENTALS 3**

**HSENG067: 72.0 Hours**

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

**Requisites:**

None

**ENGLISH FUNDAMENTALS 4**

**HSENG068: 72.0 Hours**

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

**Requisites:**

None



## THE SHORT STORY

### HSENG070:

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. (No credit if a student has taken HSART 070.) Open Entry/Open Exit. 5 HS credits.

#### Requisites:

None

## POETRY

### HSENG072: 72.0 Hours

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.

#### Requisites:

None

## THE NOVEL

### HSENG076: 72.0 Hours

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.

#### Requisites:

None

## COMPOSITION I

### HSENG083: 72.0 Hours

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.

#### Requisites:

None

## COMPOSITION 2

### HSENG084: 72.0 Hours

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.

#### Requisites:

##### Advisory

**HSENG083** Composition I  
or equivalent

## COMPOSITION 3

### HSENG085: 72.0 Hours

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.

#### Requisites:

##### Advisory

**HSENG084** Composition 2  
or equivalent

## COLLEGE PREPARATORY COMPOSITION

### HSENG086: 72.0 Hours

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.

#### Requisites:

##### Advisory

**HSENG083** Composition I

## BUILDING VOCABULARY 3

### HSENG098: 72.0 Hours

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.

#### Requisites:

None

## SURVEY OF ENGLISH LEVEL I

### HSENG201: 72.0 Hours

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.

#### Requisites:

None

## SURVEY OF ENGLISH LEVEL 2

### HSENG202: 72.0 Hours

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.

#### Requisites:

None

## SURVEY OF ENGLISH LEVEL 3

### HSENG203: 72.0 Hours

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.

#### Requisites:

None

## SURVEY OF ENGLISH LEVEL 4

### HSENG204: 72.0 Hours

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.

#### Requisites:

None

# GED Prep

## GED TEST PREPARATION

### HSGED031: 360.0 Hours

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.



**Requisites:**

None

**INTRODUCTION TO CALCULUS IA**

**HSMTH101: 72.0 Hours**

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.

**Requisites:**

None

**INTRODUCTION TO CALCULUS IB**

**HSMTH102: 72.0 Hours**

Prepares students to take the Mathematics Advanced Placement Examination-BC level. Colleges and universities may give advanced placement and/or college credit based on the results of the AP examination. Areas of study include integrals and polynomial approximations. The graphing calculator is used extensively in the course and on the AP examinations. Open Entry/Open Exit. 5 HS credits.

**Requisites:**

None

**MATH STUDY SKILLS SUPPORT IA**

**HSMTH103: 72.0 Hours**

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.

**Requisites:**

None

**MATH STUDY SKILLS SUPPORT IB**

**HSMTH104: 15.0 Hours**

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.

**Requisites:**

None

**INTEGRATED MATH IA**

**HSMTH120: 72.0 Hours**

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.

**Requisites:**

None

**INTEGRATED MATH IB**

**HSMTH121: 72.0 Hours**

Provides instruction in systems of equations, describing data, linear models for data, transformations, constructions and congruence, and analytic geometry. Open Entry/Open Exit.

**Requisites:**

**Advisory**

**HSMTH120** Integrated Math IA

**INTEGRATED MATH 2A**

**HSMTH122: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH121** Integrated Math 1B

**INTEGRATED MATH 2B**

**HSMTH123: 72.0 Hours**

Provides instruction in geometric reasoning, area and volume, circles, right triangle trigonometry, and conic sections. Open Entry/Open Exit.

**Requisites:**

**Advisory**

**HSMTH122** Integrated Math 2A

**INTEGRATED MATH 3A**

**HSMTH124: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH123** Integrated Math 2B

**INTEGRATED MATH 3B**

**HSMTH125: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH124** Integrated Math 3A

**PRE-ALGEBRA A**

**HSMTH154: 72.0 Hours**

Covers language, symbolism, and fundamental operations skills required to prepare students for success in Algebra I. 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.

**Requisites:**

**Advisory**

**HSMTH159** Math Fundamentals 2 or equivalent

**PRE-ALGEBRA B**

**HSMTH155: 72.0 Hours**

Covers language, symbolism, and fundamental operations skills required to prepare students for success in Algebra I 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.

**Requisites:**

**Advisory**

**HSMTH154** Pre-Algebra A or equivalent

**ESSENTIAL MATHEMATICS I**

**HSMTH156: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**ABE009** Academic Skills  
(Math Unit)

**AND**

**Advisory**

**HSMTH159** Math Fundamentals 2

**ESSENTIAL MATHEMATICS 2**

**HSMTH157: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH156** Essential Mathematics 1 or equivalent

**MATH FUNDAMENTALS I**

**HSMTH158: 72.0 Hours**

Introduces students to basic math skills including whole numbers, fractions, and decimals. Open Entry/Open Exit. 5 HS credits.

**Requisites:**

None

**MATH FUNDAMENTALS 2**

**HSMTH159: 72.0 Hours**

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.

**Requisites:**

Prerequisite

**HSMTH158** Math Fundamentals 1

**INTRODUCTION TO TRIGONOMETRY IA**

**HSMTH161: 72.0 Hours**

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.

**Requisites:**

None

**ALGEBRA IA**

**HSMTH163: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH159** Math Fundamentals 2 or equivalent

**ALGEBRA IB**

**HSMTH164: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH163** Algebra IA or equivalent

**ALGEBRA 2A**

**HSMTH165: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH164** Algebra IB

**ALGEBRA 2B**

**HSMTH166: 2.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH165** Algebra 2A or equivalent

**GEOMETRY A**

**HSMTH167: 72.0 Hours**

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.

**Requisites:**

None

**GEOMETRY B**

**HSMTH168: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH167** Geometry A

**COLLEGE PREPARATION ALGEBRA IA**

**HSMTH176: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH159** Math Fundamentals 2



**COLLEGE PREPARATION ALGEBRA 1B**

**HSMTH177: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH176** College Preparation Algebra 1A

**INTRODUCTION TO TRIGONOMETRY 1B**

**HSMTH180: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSMTH161** Introduction to Trigonometry 1A or equivalent

**INTRODUCTION TO ACADEMIC PATHWAYS AND PROGRAMS**

**HSOTH040: 72.0 Hours**

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.

**Requisites:**

None

**BASICS OF LEADERSHIP PART 1**

**HSOTH050: 36.0 Hours**

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.

**Requisites:**

None

**SUPERVISED TUTORING**

**HSOTH153: 72.0 Hours**

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.

**Requisites:**

None

**BASICS OF LEADERSHIP PART 2**

**HSOTH202: 36.0 Hours**

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.

**Requisites:**

None

**SPANISH 2A**

**HSOTH505: 72.0 Hours**

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.

**Requisites:**

None

**SPANISH 2B**

**HSOTH510: 72.0 Hours**

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.

**Requisites:**

None

**SPANISH 4A**

**HSOTH513: 72.0 Hours**

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.

**Requisites:**

None

**SPANISH 4B**

**HSOTH514: 72.0 Hours**

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.

**Requisites:**

None

**READING PROFICIENCY DEVELOPMENT**

**HSRDG089: 72.0 Hours**

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.

**Requisites:**

None

**Hours**

**TOTAL HOURS**

**72.0**

**READING IMPROVEMENT**

**HSRDG090: 72.0 Hours**

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.

**Requisites:**

None



## BUILDING READING SKILLS I

### HSRDG093: 72.0 Hours

Provides an opportunity for skill development in word recognition, comprehension, study and content reading skills which are necessary for success in the High School Subjects program. Computer-aided instruction is included. Open Entry/Open Exit. 5 HS credits.

#### Requisites:

None

## BUILDING READING SKILLS 2

### HSRDG094: 72.0 Hours

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.

#### Requisites:

None

## WORKFORCE PREPARATION

### HSS338: 15.0 Hours

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.

#### Requisites:

None

## HIGH SCHOOL EQUIVALENCY TEST PREPARATION

### HSS400: 180.0 Hours

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.

#### Requisites:

None

## HIGH SCHOOL EQUIVALENCY TEST PREPARATION - MATHEMATICS

### HSS401: 72.0 Hours

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.

#### Requisites:

None

## HIGH SCHOOL EQUIVALENCY TEST PREPARATION - WRITING

### HSS402: 72.0 Hours

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.

#### Requisites:

None

## HIGH SCHOOL EQUIVALENCY TEST PREPARATION - READING

### HSS403: 72.0 Hours

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.

#### Requisites:

None

## HIGH SCHOOL EQUIVALENCY TEST PREPARATION - SCIENCE

### HSS404: 72.0 Hours

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.

#### Requisites:

None

## HIGH SCHOOL EQUIVALENCY TEST PREPARATION - SOCIAL SCIENCE

### HSS405: 72.0 Hours

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.

#### Requisites:

None

## ORIENTATION TO HIGH SCHOOL AND ONLINE LEARNING

### HSS500: 30.0 Hours

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.

#### Requisites:

None

## ORIENTATION TO COLLEGE

### HSS770: 8.0 Hours

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.

## CHEMISTRY 1B

### HSSCI100: 72.0 Hours

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.

#### Requisites:

##### Advisory

**HSSCI184** Chemistry 1A  
or equivalent

## LIFE SCIENCE 2

### HSSCI169: 72.0 Hours

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.

#### Requisites:

##### Advisory

**HSSCI168** Life Science I

## PHYSIOLOGY 1A

### HSSCI182: 72.0 Hours

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.

#### Requisites:

None



**PHYSIOLOGY 1B**

**HSSCII83: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSSCII82** Physiology 1A or equivalent

**CHEMISTRY 1A**

**HSSCII84: 72.0 Hours**

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.

**Requisites:**

None

**PHYSICAL SCIENCE 1**

**HSSCII90: 72.0 Hours**

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.

**Requisites:**

None

**PHYSICAL SCIENCE 2**

**HSSCII91: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSSCII90** Physical Science I

**BASIC SCIENCE I**

**HSSCII92: 72.0 Hours**

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.

**Requisites:**

None

**BASIC SCIENCE 2**

**HSSCII93: 72.0 Hours**

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.

**Requisites:**

None

**HEALTH SCIENCE**

**HSSCII96: 72.0 Hours**

Provides a basic foundation in personal health, nutrition, body functions, first aid and community health. Open Entry/Open Exit. 5 HS credits.

**Requisites:**

None

**INTRODUCTION TO ECONOMICS**

**HSSOC215: 72.0 Hours**

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.

**Requisites:**

None

**WORLD CULTURES 1A**

**HSSOC216: 72.0 Hours**

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.

**Requisites:**

None

**WORLD CULTURES 1B**

**HSSOC217: 72.0 Hours**

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.

**Requisites:**

None

**U.S. HISTORY 1: COLONIZATION TO INDUSTRIALIZATION**

**HSSOC218: 72.0 Hours**

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.

**Requisites:**

None

**U.S. HISTORY 2: THE SHAPING OF MODERN AMERICA**

**HSSOC219: 72.0 Hours**

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.

**Requisites:**

**Advisory**

**HSSOC218** U.S. History I: Colonization to Industrialization

**GOVERNMENT 1: UNITED STATES FEDERAL GOVERNMENT AND POLITICS**

**HSSOC222: 72.0 Hours**

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.

**Requisites:**

None

**WORLD HISTORY, GEOGRAPHY, AND CULTURE 1**

**HSSOC229: 72.0 Hours**

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.

**Requisites:**

None



## WORLD HISTORY, GEOGRAPHY, AND CULTURE 2

### HSSOC230: 72.0 Hours

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.

#### Requisites:

None

## HEALTHCARE SUPPORT WORKER, CC

Certificate of Completion

### Control Number:

37807

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 Courses & Requirements

Healthcare Support Worker, CC (Total 80)

**Complete the following number of credits: 80**

<b>VMED050</b>	Introduction to Healthcare Occupations	60	VMED051
	Healthcare Support Worker Pathways		20

## HIGH SCHOOL EQUIVALENCY TEST (HISET), COM

Certificate of Competency

### Control Number:

33941

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 Courses & Requirements

High School Equivalency Test (HiSET), COM (Total 252-468)

**Complete the following number of credits: 252-468**

<b>ABE009</b>	Academic Skills 72-468
HSS400	High School Equivalency Test Preparation 180

## HIGH SCHOOL EQUIVALENCY TEST PREPARATION IN ALL SUBJECT AREAS, COM

Certificate of Competency

### Control Number:

42027

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 Courses & Requirements

Certificate Requirements: 144 (credits are in hours) (Total 144)

**Complete the following number of credits: 144**

<b>HSS401</b>	High School Equivalency Test Preparation-Mathematics	72
HSS402	High School Equivalency Test Preparation-Writing	72
HSS403	High School Equivalency Test Preparation-Reading	72
HSS404	High School Equivalency Test Preparation-Science	72
HSS405	High School Equivalency Test Preparation-Social Science	72

## HISTORY, AA-T

A.A. Degree for Transfer

### Control Number:

31720

The Associate in Arts in History for Transfer degree provides 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 Courses & Requirements

History, AA-T (Total 18)

#### Complete all of the following

Major requirements: (Total 12)

**Complete the following number of credits: 12**

**Complete at least one of the following rules (Total 3-6)**

<b>HIST101</b>	World Civilizations to the 16th Century	3
<b>HIST101H</b>	Honors World Civilizations to the 16th Century	3

**Complete at least one of the following rules (Total 3-6)**

<b>HIST102</b>	World Civilizations Since the 16th Century	3
HIST102H	Honors World Civilizations Since the 16th Century	3

**Complete at least one of the following rules (Total 3-6)**

<b>HIST120</b>	The United States to 1877	3
HIST120H	Honors: The United States to 1877	3

**Complete at least one of the following rules (Total 3-6)**

<b>HIST121</b>	The United States Since 1877	3
HIST121H	Honors the United States Since 1877	3

#### Select one (1) course from Area 1: (Total 3)

**Complete the following number of credits: 3**

<b>HIST118</b>	Social and Cultural History of the United States	3
HIST124	Mexican-American History in the United States	3
HIST127	Women in U.S. History	3
<b>HIST152</b>	Latin American History	3
HIST162	Asian Civilizations	3





**Select one (1) course from Area 2: (Total 3)**  
**Complete the following number of credits:** **3**

<b>ECON102</b> Principles/Macro	3
<b>Complete at least one of the following rules (Total 3-6)</b>	
<b>GEOG100</b> World Regional Geography	3
<b>GEOG100H</b> Honors World Regional Geography	3
<b>Complete all of the following (Total 12)</b>	
<b>HIST126</b> United States since 1945	3
HIST133 History of California	3
HIST240 Introduction to Peace and Conflict Studies	3
PHIL118 History of Philosophy	3
<b>Complete at least one of the following rules (Total 3-6)</b>	
<b>POLT101</b> American Government and Politics	3
POLT101H Honors American Government and Politics	3
<b>Complete all of the following (Total 15)</b>	
<b>POLT200</b> American Political Thought	3
POLT201 Introduction to Comparative Politics	3
POLT220 International Politics	3
POLT221 Women in American Politics	3
POLT230 Political Theory	3

**HOME HEALTH AIDE, CC**

Certificate of Completion

**Control Number:**

37806

The home health aide (HHA) program prepares individuals who already hold their Certified Nurse Assistant (CNA) to become Certified Home Health Aides. This course provides an overview of the requirements to transition from CNA to HHA. 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 Courses & Requirements**

Home Health Aide, CC (Total 62)

**Complete the following number of credits:** **62**

<b>VMED060</b> Overview of the Home Health Aide Training Program	10	VMED061	52
Home Health Aide (HHA) Training			

**HOME-BASED BUSINESS, CC**

Certificate of Completion

**Control Number:**

36371

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 Courses & Requirements**

Home-Based Business, CC (Total 240)

**Complete the following number of credits:** **240**

<b>VBUS014</b> Introduction to Mobile and Social Media Tools	60
VBUS030 How to Build a Home-Based Business	60
VBUS040 Accounting for Non-Accountants	60
VBUS097 Introduction to Personal Commerce on the Internet	60

**HUMAN RESOURCE MANAGEMENT, CERT**

Certificate of Proficiency

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 Courses & Requirements**

Human Resource Management, CERT (Total 12)

**Complete the following number of credits:** **12**

**Complete at least one of the following rules (Total 3-6)**

<b>MGMT120</b> Principles of Management	3
BUS120 Principles of Management	3

**Complete at least one of the following rules (Total 3-6)**

<b>MGMT121</b> Human Relations and Organizational Behavior	3
BUS121 Human Relations and Organizational Behavior	3

**Complete all of the following (Total 6)**

<b>MGMT135</b> Human Resource Management	3
<b>BUS105</b> Legal Environment of Business	3

**HUMAN SEXUALITY**

**IDS155: 3.0 Units**

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area F1: Lifelong Understanding and Self-Development

**CSU GE - Plan B**

- Area D: Social Sciences
- Area E1: Lifelong Learning

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Information Studies**

**LIBRARY RESEARCH FUNDAMENTALS**

**INFO100: 1.0 Units**

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: LIB1 100, Library Research Fundamentals (Fall 2020)

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area F1: Lifelong Understanding and Self-Development

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Santa Ana College - Shared Course**

- Shared Course with SAC



## HONORS LIBRARY RESEARCH FUNDAMENTALS

### INFO100H: 1.0 Units

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.

#### Requisites:

None

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

## RESEARCHING IN THE DIGITAL AGE

### INFO103: 1.0 Units

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)

#### Requisites:

None

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Santa Ana College - Shared Course

- Shared Course with SAC

# Italian

## ELEMENTARY ITALIAN I

### ITALI01: 5.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 6: Language Other than English

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area C2 - Humanities

## ELEMENTARY ITALIAN II

### ITALI02: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**ITALI01** Elementary Italian I or two years of high school Italian

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities
- Area 6: Language Other than English

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area C2 - Humanities

## CONVERSATION AND COMPOSITION

### ITALI94: 3.0 Units

Reinforcement of conversational and composition skills. Implementation of language structure through conversation, reading and composition. Discussions of Italian culture.

#### Requisites:

##### Prerequisite

**ITALI01** Elementary Italian I or two years high school Italian with grade of C or better

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### Local - Plan D

- Area C2 - Humanities

## ADVANCED CONVERSATIONAL ITALIAN

### ITALI95: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ITALI02** Elementary Italian II

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses



**Local - Plan D**

- Area C2 - Humanities

**INTERMEDIATE ITALIAN I**

**ITAL201: 5.0 Units**

A college-level Italian class focusing on an expansive review of usage and grammar, discussions of interpretive readings, conversation, and composition.

**Requisites:**

**Prerequisite**

**ITAL102** Elementary Italian II or three years of high school Italian

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities
- Area 6: Language Other than English

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Local - Plan D**

- Area C2 - Humanities

**INTERMEDIATE ITALIAN II**

**ITAL202: 5.0 Units**

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.

**Requisites:**

**Prerequisite**

**ITAL201** Intermediate Italian I or four years of high school Italian

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities
- Area 6: Language Other than English

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Local - Plan D**

- Area C2 - Humanities

**INFANT/TODDLER, CERT**

Certificate of Proficiency

**Control Number:**

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 Courses & Requirements**

Infant/Toddler, CERT (Total 15)

**Complete the following number of credits: 15**

<b>CDEV107</b> Child Growth and Development (DS1)	3
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CDEV108	Observation and Assessment for Early Learning and Development (DS3)	3
CDEV110	Child, Family and Community (DS2)	3
CDEV116A	Infant/Toddler Growth and Development (DS4)	3
CDEV116B	Care and Education for Infants and Toddlers (DS3)	3

**INMATE EDUCATION\***

**INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC), CA**

Certificate of Achievement

**Control Number:**

18118

Complete all Intersegmental General Education Transfer Curriculum Requirements (Plan C) to a minimum of 34 units.

**Program Courses & Requirements**

IGETC Courses

Certificate of Achievement

**Certificate Requirements: 34.0 Credits**

**IGETC Courses 34.0**

**TOTAL CREDITS 34.0**

**Kinesiology**

**INTRODUCTION TO KINESIOLOGY**

**KINI00: 3.0 Units**

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area F1: Lifelong Understanding and Self-Development

**CSU GE - Plan B**

- Area E1: Lifelong Learning

**Course Identifier (C-ID)**

- Kinesiology

**FIRST AID AND CPR**

**KINI01: 3.0 Units**

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area F1: Lifelong Understanding and Self-Development

**CSU GE - Plan B**

- Area E1: Lifelong Learning

**Course Identifier (C-ID)**

- Kinesiology



## NUTRITION AND FITNESS

### KINI02: 2.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning

## HEALTHFUL LIVING

### KINI04: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## SPORT IN US SOCIETY

### KINI09: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## WOMEN'S HEALTH ISSUES

### KINI10: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth
- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning

## SPORTS PSYCHOLOGY

### KINI11: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning

## PERSONAL FITNESS EVALUATION

### KINI19: 0.5 - 1.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology 119, 140A, 140B and 140C may be taken a maximum of four enrollments.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## BASIC STEP AEROBICS

### KINI21A : 0.5 - 1.0 Units

An aerobic exercise program that improves flexibility, aerobic conditioning, muscular strength and endurance by utilizing a platform for stepping up and down. Includes a variety of stepping routines and upper body strength training exercises in controlled rhythmic patterns set to music.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology 120A, 120B, 121A, 126A and 126B may be taken a maximum of four enrollments.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity



**CSU GE - Plan B**

- Area E2: Physical Activity

**BASIC CARDIO KICKBOXING**

**KINI25A : 0.5 - 1.0 Units**

A series of combative boxing and kickboxing maneuvers designed to improve muscle tone, cardiovascular endurance, and self defense.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology 125A and 125B may be taken a maximum of four enrollments.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**INTERMEDIATE CARDIO KICKBOXING**

**KINI25B: 0.5 - 1.0 Units**

This intermediate level Cardio Boxing class will emphasize combative maneuvers that will enhance the cardiovascular fitness level as well as the personal safety of the students at an enhanced level of instruction.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology 125A and 125B may be taken a maximum of four enrollments.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**BASIC SPIN**

**KINI26A: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology 120A, 120B, 121A, 126A and 126B may be taken a maximum of four enrollments.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**INTERMEDIATE SPIN**

**KINI26B: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology 120A, 120B, 121A, 126A and 126B may be taken a maximum of four enrollments.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**BASIC YOGA**

**KINI27A: 0.5 - 1.0 Units**

This basic yoga class is an exercise program that emphasizes the practice of postures that strengthen the body, improve flexibility and create a feeling of well-being.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology 123A, 123B, 127A, 127B, and 127C may be taken a maximum of four enrollments.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**INTERMEDIATE YOGA**

**KINI27B: 0.5 - 1.0 Units**

This intermediate level yoga class is an exercise program that emphasizes the practice of postures that strengthen the body, improve flexibility and create a feeling of well-being.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology 123A, 123B, 127A, 127B and 127C may be taken a maximum of four enrollments.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity



## ADVANCED YOGA

### KINI27C: 0.5 - 1.0 Units

This advanced yoga class is an exercise program that emphasizes the practice of postures that strengthen the body, improve flexibility and create a feeling of well-being.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology 123A, 123B, 127A, 127B and 127C may be taken a maximum of four enrollments.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## BASIC TAI CHI

### KINI28A: 0.5 - 1.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology 123A, 123B, 127A, 127B, 127C and 128A may be taken a maximum of four enrollments.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## BASIC CIRCUIT WEIGHT TRAINING

### KINI40A: 0.5 - 1.0 Units

This course introduces the basic principles related to the acquisition of muscular strength and endurance. Students will explore training techniques through the use of body weight and light weight equipment. Instruction is provided in the areas of functional fitness and the physiological adaptation process that occurs as a result of circuit training.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology 119, 140A, 140B and 140C may be taken a maximum of four enrollments.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## Intermediate Circuit Weight Training

### KINI40B: 0.5 - 1.0 Units

This course is designed for students with prior resistance training experience. Principles and training techniques for the development of muscle tone, muscle strength, and muscular endurance will be taught, as well as the use of weightbearing exercises to promote cardiovascular health benefits. Students will utilize weights, variable resistance machines, and other resistance equipment to advance their total body fitness.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology 119, 140A, 140B and 140C may be taken a maximum of four enrollments.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## ADVANCED CIRCUIT WEIGHT TRAINING

### KINI40C: 0.5 - 1.0 Units

This course is designed for students possessing advanced knowledge and experience with resistance training exercises. Students will utilize weights, variable resistance machines, and a wide variety of weight-bearing activities and equipment to perform high intensity exercise. Muscular development will be achieved through implementation of a resistance training program built upon advanced modes of training and the principles of exercise physiology.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology 119, 140A, 140B and 140C may be taken a maximum of four enrollments.

1.0

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## INTERMEDIATE STRENGTH TRAINING

### KINI46B: 0.5 - 1.0 Units

This high intensity strength training course is designed for students who possess significant experience in the use of free weight equipment. Students will apply proper weight lifting techniques and training periodization to develop muscular strength and power through the use of dumbbells and Olympic bar weights. Instruction is provided in advanced strength training theory.

#### Fees:

Hand Towel (required)

#### Fees:

Weight Lifting Gloves (recommended)

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology 146A, 146B, 146C and 147 may be taken a maximum of four enrollments.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**ADVANCED STRENGTH TRAINING****KINI46C: 0.5 - 1.0 Units**

This course is designed for students with advanced knowledge and extensive experience in free weight strength training. Instruction will focus on training methods applicable to multi-joint powerlifting, Olympic lifting, and sport strength and conditioning. Students will develop individualized workout programs that emphasize the development of muscular strength, power, agility, and explosiveness.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology I46A, I46B, I46C and I47 may be taken a maximum of four enrollments.

**General Education Plan:****Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**BASIC BASKETBALL****KINI60A: 0.5 - 1.0 Units**

To introduce and establish basketball fundamentals with a view to encouraging life-time fitness.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology I60A, I60B, I63A, I68A and I68B may be taken a maximum of four enrollments.

**General Education Plan:****Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**INTERMEDIATE BASKETBALL****KINI60B: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology I60A, I60B, I63A, I68A and I68B may be taken a maximum of four enrollments.

**General Education Plan:****Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**BASIC INDOOR SOCCER****KINI63A: 0.5 - 1.0 Units**

A basic level soccer course to develop fundamental soccer skills in an indoor facility.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology I60A, I60B, I63A, I68A and I68B may be taken a maximum of four enrollments.

**General Education Plan:****Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**BASIC VOLLEYBALL****KINI68A: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology I60A, I60B, I63A, I68A and I68B may be taken a maximum of four enrollments.

**General Education Plan:****Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**INTERMEDIATE VOLLEYBALL****KINI68B: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Course Family A combination of Kinesiology I60A, I60B, I63A, I68A and I68B may be taken a maximum of four enrollments.

**General Education Plan:****Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**BASIC GOLF****KINI70A: 1.0 Units**

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.

**Requisites:**

None



### General Education Plan:

#### Local - Plan A

- Area F2: Physical Activity

#### CSU GE - Plan B

- Area E2: Physical Activity

### BASIC SWIMMING

#### KINI85A: 0.5 - 1.0 Units

Introductory basic swimming skills, with an emphasis on water safety.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology&nbsp;185A, 185B, and 185C may be taken a maximum of four enrollments

### General Education Plan:

#### Local - Plan A

- Area F2: Physical Activity

#### CSU GE - Plan B

- Area E2: Physical Activity

### INTERMEDIATE SWIMMING

#### KINI85B: 0.5 - 1.0 Units

Intermediate swim skills, emphasizing the four competitive swim strokes.

Speed and endurance swimming will also be emphasized in a training environment.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology&nbsp;185A, 185B, 185C and 189A may be taken a maximum of four enrollments.

### General Education Plan:

#### Local - Plan A

- Area F2: Physical Activity

#### CSU GE - Plan B

- Area E2: Physical Activity

### ADVANCED SWIMMING

#### KINI85C: 0.5 - 1.0 Units

Advanced swim skills developed with emphasis on the five competitive swim strokes. Advanced speed and endurance training will be emphasized in a training environment.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology&nbsp;185A, 185B, and 185C may be taken a maximum of four enrollments.

### General Education Plan:

#### Local - Plan A

- Area F2: Physical Activity

#### CSU GE - Plan B

- Area E2: Physical Activity

### BASIC AQUA AEROBICS

#### KINI89A: 0.5 - 1.0 Units

A class designed to improve muscle tone, flexibility and cardiovascular endurance through exercises using water as a means of resistance.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Kinesiology&nbsp;185A, 185B, 185C and 189A may be taken a maximum of four enrollments.

### General Education Plan:

#### Local - Plan A

- Area F2: Physical Activity

#### CSU GE - Plan B

- Area E2: Physical Activity

### CONDITIONING FOR ATHLETES-MEN

#### KIN200: 0.5 - 1.0 Units

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.

#### Requisites:

None

#### Limitations on 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.

### General Education Plan:

#### Local - Plan A

- Area F2: Physical Activity

#### CSU GE - Plan B

- Area E2: Physical Activity

### CONDITIONING FOR ATHLETES-CO-ED

#### KIN201: 0.5 - 1.0 Units

An instructor supervised exercise program designed for athletes who participate in sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.

#### Requisites:

None

#### Limitations on 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.

### General Education Plan:

#### Local - Plan A

- Area F2: Physical Activity

#### CSU GE - Plan B

- Area E2: Physical Activity





**CONDITIONING FOR ATHLETES-WOMEN**

**KIN202: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**SPEED AND AGILITY-MEN**

**KIN203: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**SPEED AND AGILITY-WOMEN**

**KIN204: 0.5 - 1.0 Units**

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.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**BASKETBALL TEAM- MEN**

**KIN240: 3.0 Units**

A high-level competitive program in Basketball for male athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to competing.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area D: Social Sciences
- Area E2: Physical Activity

**BASKETBALL TEAM- WOMEN**

**KIN241: 3.0 Units**

A high-level competitive program in Basketball for female athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to competing.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**BASKETBALL TEAM- WOMEN**

**KIN241: 3.0 Units**

A high-level competitive program in Basketball for female athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to competing.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity



## BASKETBALL TEAM OFF-SEASON MEN

### KIN242: 0.5 - 1.0 Units

A high-level, competitive practice and skills program in basketball for male students with exceptional athletic talent.

#### Requisites:

None

#### Limitations on 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.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## VOLLEYBALL TEAM - MEN

### KIN245: 3.0 Units

A high-level competitive program in Volleyball for male athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to competing.

#### Requisites:

None

#### Limitations on 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.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## VOLLEYBALL TEAM - WOMEN

### KIN246: 3.0 Units

A high-level competitive program in Volleyball for female athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to competing.

#### Requisites:

None

#### Limitations on 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.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## VOLLEYBALL TEAM OFF-SEASON - MEN

### KIN247: 0.5 - 1.0 Units

A high-level, competitive practice and skills program in volleyball for male students with exceptional athletic talent.

#### Requisites:

None

#### Limitations on 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.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## VOLLEYBALL TEAM OFF-SEASON - WOMEN

### KIN248: 0.5 - 1.0 Units

A high-level, competitive practice and skills program in volleyball for female students with exceptional athletic talent.

#### Requisites:

None

#### Limitations on 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.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## CROSS COUNTRY TEAM - MEN

### KIN255: 3.0 Units

A high-level, competitive program for male students with exceptional cross country talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to participation.

#### Requisites:

None

#### Limitations on 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.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity



**CROSS COUNTRY TEAM - WOMEN**

**KIN256: 3.0 Units**

A high-level, competitive program for female students with exceptional cross country talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to participation.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**CROSS COUNTRY TEAM - OFF SEASON**

**KIN257: 0.5 - 1.0 Units**

This course teaches the fundamental principles and techniques of efficient, high intensity distance running. The course helps develop and improve physical fitness and performance in terms of both running endurance and running speed. Optional field trips may be offered.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**SOCCER TEAM - MEN**

**KIN270: 3.0 Units**

A high-level, competitive program in soccer for male athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to participation.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**SOCCER TEAM - WOMEN**

**KIN271: 3.0 Units**

A high-level, competitive program in soccer for female athletes with exceptional athletic talent. Students must meet California Community College Athletic Association (CCCCAA) eligibility requirements and pass a health screening prior to participation.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**SOCCER TEAM OFF SEASON - MEN**

**KIN272: 0.5 - 1.0 Units**

A high-level, competitive practice and skills program in soccer for male students with exceptional athletic talent.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**SOCCER TEAM OFF SEASON - WOMEN**

**KIN273: 0.5 - 1.0 Units**

A high-level, competitive practice and skills program in soccer for female students with exceptional athletic talent.

**Requisites:**

None

**Limitations on 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.

**General Education Plan:**

**Local - Plan A**

- Area F2: Physical Activity

**CSU GE - Plan B**

- Area E2: Physical Activity

**THEORY OF SOCCER**

**KIN274: 2.0 Units**

A general overview of the history of the game, its rules, tactics, techniques, conditioning and overall preparation to understand, play and enjoy soccer.

**Requisites:**

None



## SOFTBALL TEAM - WOMEN

### KIN281: 3.0 Units

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.

#### Requisites:

None

#### Limitations on 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.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## SOFTBALL TEAM OFF SEASON - WOMEN

### KIN283: 0.5 - 1.0 Units

Basic skills and fundamentals of catching, throwing, pitching, hitting and base running will be covered. Offensive and defensive techniques and strategies will be practiced.

#### Requisites:

None

#### Limitations on 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.

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E2: Physical Activity

## THEORY OF SOFTBALL

### KIN284: 2.0 Units

A general overview of rules, regulations, strategies, mental preparation, skill evaluation and the history of the sport of softball.

#### Requisites:

None

## KINESIOLOGY - FITNESS AND ACTIVE LIFESTYLE, AS

A.S. Degree Major

#### Control Number:

39916

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 Courses & Requirements

Kinesiology - Fitness and Active Lifestyle, AS (Total 20)

#### Complete all of the following

Major Requirements: (Total 9)

**Complete the following number of credits: 9**

**Complete all of the following (Total 6)**

**KIN100** Introduction to Kinesiology 3

**NUTR115** Nutrition 3

**Complete at least one of the following rules (Total 3-6)**

**PSYC100** Introduction to Psychology 3

**PSYC100H** Honors Introduction to Psychology 3

#### AQUATICS

**Select one (1) unit from the following: (Total 1)**

**Complete the following number of credits: 1**

**KIN185A** Basic Swimming 1

**KIN185B** Intermediate Swimming 1

**KIN185C** Advanced Swimming 1

**KIN189A** Basic Aqua Aerobics 1

#### COMBATIVES

**Select one (1) unit from the following: (Total 1)**

**Complete the following number of credits: 1**

**KIN125A** Basic Cardio Kickboxing 1

**KIN125B** Intermediate Cardio Kickboxing 1

**KIN128A** Basic Tai Chi 1

#### DANCE

**Select one (1) unit from the following: (Total 1)**

**Complete the following number of credits: 1**

**DNCE106A** Modern Dance Fundamentals 1

**DNCE106B** Intermediate Modern Dance 1

**DNCE108A** Ballet Fundamentals 1

**DNCE108B** Intermediate Ballet 1

**DNCE115A** Tap Dance Fundamentals 1

**DNCE115B** Intermediate Tap Dance 1

**DNCE119A** Jazz Dance Fundamentals 1

**DNCE119B** Intermediate Jazz Dance 1

#### FITNESS

**Select one (1) unit from the following: (Total 1)**

**Complete the following number of credits: 1**

**KIN119** Personal Fitness Evaluation 1

**KIN120A** Basic Aerobics 1

**KIN120B** Intermediate Aerobics 1

**KIN121A** Basic Step Aerobics 1

**KIN126A** Basic Spin 1

**KIN126B** Intermediate Spin 1

**KIN127A** Basic Yoga 1

**KIN127B** Intermediate Yoga 1

**KIN127C** Advanced Yoga 1

**KIN128A** Basic Tai Chi 1



KINI40A	Basic Circuit Weight Training	
KINI40B	Intermediate Circuit Weight Training	
<b>KINI40C</b>	Advanced Circuit Weight Training	
KINI46A	Basic Strength Training	
KINI46B	Intermediate Strength Training	
KINI46C	Advanced Strength Training	
KINI47	Strength Training for Women	
<b>KIN200</b>	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	

**TEAM SPORTS**

Select one (1) unit from the following: (Total 1)

Complete the following number of credits: |

<b>KINI60A</b>	Basic Basketball	
KINI60B	Intermediate Basketball	
KINI63A	Basic Indoor Soccer	
KINI68A	Basic Volleyball	
KINI68B	Intermediate Volleyball	

Select a minimum of six (6) units from the following: (Total 6)

Complete the following number of credits: 6

<b>BIOL109</b>	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3
BIOL109HL	Honors Fundamentals of Biology Laboratory	1
<b>BIOL109L</b>	Fundamentals of Biology Laboratory	1
BIOL139	Health Microbiology	4
BIOL149	Human Anatomy and Physiology	4
BIOL229	General Microbiology	5
BIOL239	General Human Anatomy	4
BIOL249	Human Physiology	4
BIOL259	Environmental Biology	4
KINI101	First Aid and CPR	3
KINI102	Nutrition and Fitness	2
KINI104	Healthful Living	3
KINI109	Sport in US Society	3
KINI110	Women's Health Issues	3
KINI111	Sports Psychology	3
MATH219	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4

**KINESIOLOGY - FITNESS AND ACTIVE LIFESTYLE, CA**

Certificate of Achievement

**Control Number:**  
39917

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 Courses & Requirements**

Kinesiology - Fitness and Active Lifestyle, CA (Total 20)

Complete all of the following

**Certificate Requirements: (Total 9)**

Complete the following number of credits: 9

Complete all of the following (Total 6)

<b>KINI100</b>	Introduction to Kinesiology	3
NUTRI15	Nutrition	3

Complete at least one of the following rules (Total 3-6)

<b>PSYC100</b>	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3

**AQUATICS**

Select five (5) units from the following. Must select one (1) unit course(s) from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 5)

Complete the following number of credits: 5

<b>KINI185A</b>	Basic Swimming	1
KINI185B	Intermediate Swimming	1
KINI185C	Advanced Swimming	1
KINI189A	Basic Aqua Aerobics	1

**COMBATIVES**

Select five (5) units from the following. Must select one (1) unit course(s) from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

Complete the following number of credits: 0

<b>KINI25A</b>	Basic Cardio Kickboxing	1
KINI25B	Intermediate Cardio Kickboxing	1
KINI28A	Basic Tai Chi I	1

**DANCE**

Select five (5) units from the following. Must select one (1) unit course(s) from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

Complete the following number of credits: 0

<b>DNCE106A</b>	Modern Dance Fundamentals	1
DNCE106B	Intermediate Modern Dance	1
DNCE108A	Ballet Fundamentals	1
DNCE108B	Intermediate Ballet	1
DNCE115A	Tap Dance Fundamentals	1
DNCE115B	Intermediate Tap Dance	1
DNCE119A	Jazz Dance Fundamentals	1
<b>DNCE119B</b>	Intermediate Jazz Dance	1

**FITNESS**

Select five (5) units from the following. Must select one (1) unit course(s) from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

Complete the following number of credits: 0

<b>KINI119</b>	Personal Fitness Evaluation	1
KINI20A	Basic Aerobics	1



KINI20B	Intermediate Aerobics	
KINI21A	Basic Step Aerobics	
<b>KINI26A</b>	Basic Spin	
KINI26B	Intermediate Spin	
KINI27A	Basic Yoga	
KINI27B	Intermediate Yoga	
KINI27C	Advanced Yoga	
KINI28A	Basic Tai Chi	
KINI40A	Basic Circuit Weight Training	
KINI40B	Intermediate Circuit Weight Training	
KINI40C	Advanced Circuit Weight Training	
KINI46A	Basic Strength Training	
KINI46B	Intermediate Strength Training	
KINI46C	Advanced Strength Training	
KINI47	Strength Training for Women	
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	

### TEAM SPORTS

Select five (5) units from the following. Must select one (1) unit course(s) from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI60A</b>	Basic Basketball	
KINI60B	Intermediate Basketball	
KINI63A	Basic Indoor Soccer	
KINI68A	Basic Volleyball	
KINI68B	Intermediate Volleyball	

**Select a minimum of six (6) units from the following: (Total 6)**

**Complete the following number of credits: 6**

<b>BIOL109</b>	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3
BIOL109HL	Honors Fundamentals of Biology Laboratory	1
BIOL109L	Fundamentals of Biology Laboratory	1
BIOL149	Human Anatomy and Physiology	4
BIOL229	General Microbiology	5
BIOL239	General Human Anatomy	4
BIOL249	Human Physiology	4
BIOL259	Environmental Biology	4
KINI101	First Aid and CPR	3
KINI102	Nutrition and Fitness	2
KINI104	Healthful Living	3
KINI109	Sport in US Society	3
<b>KINI110</b>	Women's Health Issues	3
KINI111	Sports Psychology	3
MATH219	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4

## KINESIOLOGY - HEALTH PROMOTION, AS

A.S. Degree Major

**Control Number:**  
39918

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 Courses & Requirements

Kinesiology - Health Promotion, AS (Total 22)

**Complete all of the following**

**Major Requirements: (Total 12)**

**Complete the following number of credits: 12**

**Complete all of the following (Total 9)**

<b>KINI100</b>	Introduction to Kinesiology	3
KINI101	First Aid and CPR	3
KINI104	Healthful Living	3

**Complete at least one of the following rules (Total 3-6)**

<b>PSYC100</b>	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3

### AQUATICS

Select four (4) units from the following area. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 4)

**Complete the following number of credits: 4**

<b>KINI85A</b>	Basic Swimming	
KINI85B	Intermediate Swimming	
KINI85C	Advanced Swimming	
KINI89A	Basic Aqua Aerobics	

### COMBATIVES

Select four (4) units from the following area. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI25A</b>	Basic Cardio Kickboxing	
KINI25B	Intermediate Cardio Kickboxing	
<b>KINI28A</b>	Basic Tai Chi	

### DANCE

Select four (4) units from the following area. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>DNCE106A</b>	Modern Dance Fundamentals	
DNCE106B	Intermediate Modern Dance	
DNCE108A	Ballet Fundamentals	
DNCE108B	Intermediate Ballet	
DNCE115A	Tap Dance Fundamentals	
DNCE115B	Intermediate Tap Dance	
DNCE119A	Jazz Dance Fundamentals	
DNCE119B	Intermediate Jazz Dance	

### FITNESS

Select four (4) units from the following area. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI119</b>	Personal Fitness Evaluation	
KINI20A	Basic Aerobics	
KINI20B	Intermediate Aerobics	



KINI21A	Basic Step Aerobics	
KINI26A	Basic Spin	
KINI26B	Intermediate Spin	
KINI27A	Basic Yoga	
KINI27B	Intermediate Yoga	
KINI27C	Advanced Yoga	
KINI28A	Basic Tai Chi	
KINI40A	Basic Circuit Weight Training	
KINI40B	Intermediate Circuit Weight Training	
KINI40C	Advanced Circuit Weight Training	
KINI46A	Basic Strength Training	
KINI46B	Intermediate Strength Training	
KINI46C	Advanced Strength Training	
KINI47	Strength Training for Women	
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	

**TEAM SPORTS**

Select four (4) units from the following area. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI60A</b>	Basic Basketball	
KINI60B	Intermediate Basketball	
KINI63A	Basic Indoor Soccer	
KINI68A	Basic Volleyball	
KINI68B	Intermediate Volleyball	

**Select a minimum of six (6) units from the following: (Total 6)**

**Complete the following number of credits: 6**

<b>ACCT101</b>	Financial Accounting	4
BIOL109	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3
BIOL109HL	Honors Fundamentals of Biology Laboratory	1
BIOL109L	Fundamentals of Biology Laboratory	1
BIOL139	Health Microbiology	4
BIOL149	Human Anatomy and Physiology	4
BIOL229	General Microbiology	5
BIOL239	General Human Anatomy	4
BIOL249	Human Physiology	4
BIOL259	Environmental Biology	4
ETHN101	Introduction to Ethnic Studies	3
KINI102	Nutrition and Fitness	2
<b>KINI109</b>	Sport in US Society	3
KINI110	Women's Health Issues	3
KINI111	Sports Psychology	3
MATH219	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4
NUTR115	Nutrition	3
PSYC200	Introduction to Biological Psychology	3

**KINESIOLOGY - HEALTH PROMOTION, CA**

Certificate of Achievement

**Control Number:**  
39919

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 Courses & Requirements**

Kinesiology - Health Promotion, CA (Total 22)

**Complete all of the following**

**Certificate Requirements: (Total 12)**

**Complete the following number of credits: 12**

**Complete all of the following (Total 9)**

<b>KINI100</b>	Introduction to Kinesiology	3
KINI101	First Aid and CPR	3
KINI104	Healthful Living	3

**Complete at least one of the following rules (Total 3-6)**

<b>PSYC100</b>	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3

**AQUATICS**

Select four (4) units from the following. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 4)

**Complete the following number of credits: 4**

<b>KINI185A</b>	Basic Swimming	
<b>KINI185B</b>	Intermediate Swimming	
KINI185C	Advanced Swimming	
KINI189A	Basic Aqua Aerobics	

**COMBATIVES**

Select four (4) units from the following. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI25A</b>	Basic Cardio Kickboxing	
KINI25B	Intermediate Cardio Kickboxing	
KINI185A	Basic Swimming	

**DANCE**

Select four (4) units from the following. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>DNCE106A</b>	Modern Dance Fundamentals	
DNCE106B	Intermediate Modern Dance	
DNCE108A	Ballet Fundamentals	
<b>DNCE108B</b>	Intermediate Ballet	
DNCE115A	Tap Dance Fundamentals	
DNCE115B	Intermediate Tap Dance	
DNCE119A	Jazz Dance Fundamentals	
DNCE119B	Intermediate Jazz Dance	

**FITNESS**

Select four (4) units from the following. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI119</b>	Personal Fitness Evaluation	
<b>KINI20A</b>	Basic Aerobics	
KINI20B	Intermediate Aerobics	



KINI21A	Basic Step Aerobics	
KINI26A	Basic Spin	
KINI26B	Intermediate Spin	
KINI27A	Basic Yoga	
KINI27B	Intermediate Yoga	
KINI27C	Advanced Yoga	
KINI28A	Basic Tai Chi	
KINI40A	Basic Circuit Weight Training	
KINI40B	Intermediate Circuit Weight Training	
KINI40C	Advanced Circuit Weight Training	
KINI46A	Basic Strength Training	
KINI46B	Intermediate Strength Training	
KINI46C	Advanced Strength Training	
KINI47	Strength Training for Women	
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	

### TEAM SPORTS

Select four (4) units from the following. Must select one (1) unit course(s) from at least three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI60A</b>	Basic Basketball	
KINI60B	Intermediate Basketball	
KINI63A	Basic Indoor Soccer	
KINI68A	Basic Volleyball	
KINI68B	Intermediate Volleyball	

**Select a minimum of six (6) units from the following: (Total 6)**

**Complete the following number of credits: 6**

<b>ACCT101</b>	Financial Accounting	4
BIOL109	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3
BIOL109HL	Honors Fundamentals of Biology Laboratory	1
BIOL109L	Fundamentals of Biology Laboratory	1
BIOL139	Health Microbiology	4
BIOL149	Human Anatomy and Physiology	4
BIOL229	General Microbiology	5
BIOL239	General Human Anatomy	4
BIOL249	Human Physiology	4
<b>BIOL259</b>	Environmental Biology	4
ETHN101	Introduction to Ethnic Studies	3
KINI102	Nutrition and Fitness	2
<b>KINI109</b>	Sport in US Society	3
KINI110	Women's Health Issues	3
KINI111	Sports Psychology	3
MATH219	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4
NUTR115	Nutrition	3
PSYC200	Introduction to Biological Psychology	3

## KINESIOLOGY - INTERCOLLEGIATE ATHLETICS\*

## KINESIOLOGY - PHYSICAL EDUCATION\*

## KINESIOLOGY - SPORT STUDIES, AS

A.S. Degree Major

### Control Number:

39920

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 Courses & Requirements

Kinesiology - Sport Studies, AS (Total 20)

#### Complete all of the following

#### Major Requirements: (Total 14)

**Complete the following number of credits: 14**

**Complete at least one of the following rules (Total 3-6)**

<b>BIOL109</b>	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3

**Complete at least one of the following rules (Total 1-2)**

<b>BIOL109L</b>	Fundamentals of Biology Laboratory	1
BIOL109HL	Honors Fundamentals of Biology Laboratory	1

**Complete all of the following (Total 6)**

<b>KINI100</b>	Introduction to Kinesiology	3
KINI109	Sport in US Society	3

**Complete at least one of the following rules (Total 4-12)**

<b>MATH219</b>	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4

### AQUATICS

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 3)

**Complete the following number of credits: 3**

<b>KINI85A</b>	Basic Swimming	1
<b>KINI85B</b>	Intermediate Swimming	1
KINI85C	Advanced Swimming	1
KINI89A	Basic Aqua Aerobics	1

### COMBATIVES

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI25A</b>	Basic Cardio Kickboxing	1
KINI25B	Intermediate Cardio Kickboxing	1
KINI28A	Basic Tai Chi	1

### DANCE

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>DNCE106A</b>	Modern Dance Fundamentals	1
DNCE106B	Intermediate Modern Dance	1
DNCE108A	Ballet Fundamentals	1
DNCE108B	Intermediate Ballet	1
DNCE115A	Tap Dance Fundamentals	1





DNCEI15B	Intermediate Tap Dance	
DNCEI19A	Jazz Dance Fundamentals	
DNCEI19B	Intermediate Jazz Dance	

**FITNESS**

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI19</b>	Personal Fitness Evaluation	
KINI20A	Basic Aerobics	
KINI20B	Intermediate Aerobics	
KINI21A	Basic Step Aerobics	
KINI26A	Basic Spin	
KINI26B	Intermediate Spin	
KINI27A	Basic Yoga	
KINI27B	Intermediate Yoga	
<b>KINI27C</b>	Advanced Yoga	
KINI28A	Basic Tai Chi	
KINI40A	Basic Circuit Weight Training	
KINI40B	Intermediate Circuit Weight Training	
KINI40C	Advanced Circuit Weight Training	
KINI46A	Basic Strength Training	
KINI46B	Intermediate Strength Training	
<b>KINI46C</b>	Advanced Strength Training	
KINI47	Strength Training for Women	
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	

**TEAM SPORTS**

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports. (Total 0)

**Complete the following number of credits: 0**

<b>KINI60A</b>	Basic Basketball	
KINI60B	Intermediate Basketball	
KINI63A	Basic Indoor Soccer	
KINI68A	Basic Volleyball	
<b>KINI68B</b>	Intermediate Volleyball	

**Select a minimum of three (3) units from the following: (Total 3)**

**Complete the following number of credits: 3**

<b>ACCT101</b>	Financial Accounting	4
BIOL109	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3
BIOL139	Health Microbiology	4
BIOL149	Human Anatomy and Physiology	4
BIOL229	General Microbiology	5
<b>BIOL239</b>	General Human Anatomy	4
BIOL249	Human Physiology	4
BIOL259	Environmental Biology	4
KINI101	First Aid and CPR	3
KINI102	Nutrition and Fitness	2
KINI104	Healthful Living	3
KINI110	Women's Health Issues	3
KINI111	Sports Psychology	3
NUTR115	Nutrition	3
PSYC100	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3

**KINESIOLOGY - SPORT STUDIES, CA**

Certificate of Achievement

**Control Number:**  
39921

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 Courses & Requirements**

Kinesiology - Sport Studies, CA (Total 20)

**Complete all of the following**

**Certificate Requirements: (Total 14)**

**Complete the following number of credits: 14**

**Complete at least one of the following rules (Total 3-6)**

<b>BIOL109</b>	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3

**Complete at least one of the following rules (Total 1-2)**

<b>BIOL109HL</b>	Honors Fundamentals of Biology Laboratory	1
BIOL109L	Fundamentals of Biology Laboratory	1

**Complete all of the following (Total 6)**

<b>KINI100</b>	Introduction to Kinesiology	3
KINI109	Sport in US Society	3

**Complete at least one of the following rules (Total 4-12)**

<b>MATH219</b>	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4

**AQUATICS**

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports (Total 3)

**Complete the following number of credits: 3**

<b>KINI185A</b>	Basic Swimming I	
KINI185B	Intermediate Swimming I	
KINI185C	Advanced Swimming I	
KINI189A	Basic Aqua Aerobics I	

**COMBATIVES**

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports (Total 0)

**Complete the following number of credits: 0**

<b>KINI25A</b>	Basic Cardio Kickboxing	0.5-1
KINI25B	Intermediate Cardio Kickboxing	0.5-1
KINI28A	Basic Tai Chi	0.5-1

**DANCE**

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports (Total 0)

**Complete the following number of credits: 0**

<b>DNCEI06A</b>	Modern Dance Fundamentals	
DNCEI06B	Intermediate Modern Dance	
DNCEI08A	Ballet Fundamentals	
DNCEI08B	Intermediate Ballet	
DNCEI15A	Tap Dance Fundamentals	
DNCEI15B	Intermediate Tap Dance	
DNCEI19A	Jazz Dance Fundamentals	
DNCEI19B	Intermediate Jazz Dance	



## FITNESS

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports (Total 0)

**Complete the following number of credits: 0**

<b>KINI 19</b>	Personal Fitness Evaluation	0.5-1
KINI20A	Basic Aerobics	0.5-1
KINI20B	Intermediate Aerobics	0.5-1
KINI21A	Basic Step Aerobics	0.5-1
KINI26A	Basic Spin	0.5-1
KINI26B	Intermediate Spin	0.5-1
KINI27A	Basic Yoga	0.5-1
KINI27B	Intermediate Yoga	0.5-1
KINI27C	Advanced Yoga	0.5-1
KINI28A	Basic Tai Chi	0.5-1
KINI40A	Basic Circuit Weight Training	0.5-1
KINI40B	Intermediate Circuit Weight Training	0.5-1
KINI40C	Advanced Circuit Weight Training	0.5-1
KINI46A	Basic Strength Training	0.5-1
KINI46B	Intermediate Strength Training	0.5-1
KINI46C	Advanced Strength Training	0.5-1
KINI47	Strength Training for Women	0.5-1
KIN200	Conditioning for Athletes-Men	0.5-1
KIN201	Conditioning for Athletes-Co-Ed	0.5-1
KIN202	Conditioning for Athletes-Women	0.5-1
KIN203	Speed and Agility-Men	0.5-1
KIN204	Speed and Agility-Women	0.5-1

## TEAM SPORTS

Select three (3) units from the following. Must select one (1) unit course from three (3) different areas: Aquatics, Combatives, Dance, Fitness, or Team Sports (Total 0)

**Complete the following number of credits: 0**

<b>KINI 60A</b>	Basic Basketball	0.5-1
KINI 60B	Intermediate Basketball	0.5-1
KINI 63A	Basic Indoor Soccer	0.5-1
KINI 68A	Basic Volleyball	0.5-1
KINI 68B	Intermediate Volleyball	0.5-1

**Select a minimum of three (3) units from the following: (Total 3)**

**Complete the following number of credits: 3**

<b>ACCT101</b>	Financial Accounting	4
BIOL139	Health Microbiology	4
BIOL149	Human Anatomy and Physiology	4
BIOL229	General Microbiology	5
BIOL239	General Human Anatomy	4
BIOL249	Human Physiology	4
<b>BIOL259</b>	Environmental Biology	4
KINI101	First Aid and CPR	3
KINI102	Nutrition and Fitness	2
KINI104	Healthful Living	3
KINI110	Women's Health Issues	3
KINI111	Sports Psychology	3
NUTR115	Nutrition	3
PSYC100	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3

## KINESIOLOGY, AA-T

A.A. Degree for Transfer

**Control Number:**

32434

The Associate in Arts in Kinesiology for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree in Kinesiology. Completion of the degree also provides guaranteed admission with junior status to the CSU system in the Kinesiology major. Please consult a counselor regarding specific course requirements for your transfer institution. Upon completion of the Associate in Arts in Kinesiology for Transfer, students will have a general understanding of the human anatomy, human physiology, and mechanics of human movement, and be able to apply fitness-based concepts.

### Program Courses & Requirements

Kinesiology, AA-T (Total 21-24)

**Complete all of the following**

**Major requirements: (Total 11)**

**Complete the following number of credits: 11**

<b>KINI 100</b>	Introduction to Kinesiology	3
BIOL249	Human Physiology	4
BIOL239	General Human Anatomy	4

Select three (3) units from the following. Must select one (1) unit course from three different areas- Aquatics, Combatives, Dance, Fitness, or Team Sports. 3

### AQUATICS (TOTAL 0)

**Complete the following number of credits: 0**

<b>KINI 85A</b>	Basic Swimming I
KINI85B	Intermediate Swimming I
KINI85C	Advanced Swimming I

### COMBATIVES (TOTAL 0)

**Complete the following number of credits: 0**

<b>KINI 25A</b>	Basic Cardio Kickboxing I
KINI25B	Intermediate Cardio Kickboxing I
<b>KINI 28A</b>	Basic Tai Chi I

### DANCE (TOTAL 0)

**Complete the following number of credits: 0**

<b>DNCE106A</b>	Modern Dance Fundamentals I
DNCE106B	Intermediate Modern Dance I
DNCE108A	Ballet Fundamentals I
DNCE108B	Intermediate Ballet I
DNCE115A	Tap Dance Fundamentals I
DNCE115B	Intermediate Tap Dance I
DNCE119A	Jazz Dance Fundamentals I
DNCE119B	Intermediate Jazz Dance I

### FITNESS (TOTAL 0)

**Complete the following number of credits: 0**

<b>KINI 19</b>	Personal Fitness Evaluation I
KINI20A	Basic Aerobics I
KINI20B	Intermediate Aerobics I
KINI21A	Basic Step Aerobics I
KINI26A	Basic Spin I
KINI26B	Intermediate Spin I
KINI27A	Basic Yoga I
KINI27B	Intermediate Yoga I
KINI27C	Advanced Yoga I
KINI28A	Basic Tai Chi I
KINI40A	Basic Circuit Weight Training I
KINI40B	Intermediate Circuit Weight Training I
KINI40C	Advanced Circuit Weight Training I
KINI46A	Basic Strength Training I
KINI46B	Intermediate Strength Training I
KINI46C	Advanced Strength Training I



KINI147	Strength Training for Women I
KIN200	Conditioning for Athletes-Men I
KIN201	Conditioning for Athletes-Co-Ed I
KIN202	Conditioning for Athletes-Women I
KIN203	Speed and Agility-Men I
KIN204	Speed and Agility-Women I

**TEAM SPORTS (TOTAL 0)**

**Complete the following number of credits:** **0**

<b>KINI60A</b>	Basic Basketball I
KINI60B	Intermediate Basketball I
KINI63A	Basic Indoor Soccer I
KINI68A	Basic Volleyball I
KINI68B	Intermediate Volleyball I

**Students may select CHEM200A or CHEM200AH. Credit will be awarded for only one. 0**

**Select two (2) courses from the following (List A): (Total 7-10)**  
**Complete the following number of credits:** **7-10**

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. 0

Students may select CHEM200A or CHEM200AH. Credit will be awarded for only one. 0

Student may select MATH219, or MATH219H, or MATH220. Credit will be awarded for only one. 0

Students may select PHYS150A or PHYS 250A. Credit will be awarded for only one. 0

<b>CHEM200A</b>	General Chemistry A	5
CHEM200AH	Honors General Chemistry A	5
KINI101	First Aid and CPR	3
MATH219	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4
PHYS150A	Introductory Physics I	4
PHYS250A	Physics for Scientists and Engineers I	5

**LACTATION EDUCATOR SPECIALIST, CC**

Certificate of Completion

**Control Number:**

42387

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 Courses & Requirements**

Certificate Requirements: 50 hours (credits are in hours) (Total 50)

**Complete all of the following**

<b>VMED100</b>	Introduction to Lactation Educator Specialist 25
VMED101	Lactation Educator Specialist 25

**LAND SURVEYING, AS**

A.S. Degree Major

**Control Number:**

11906

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 Courses & Requirements**

Land Surveying, AS (Total 23)

**Complete the following number of credits:** **23**

<b>SURV118</b>	Plane Surveying	4
SURV119	Advanced Plane Surveying	4
SURV205	Computer Aided Drafting Fundamentals For Surveyors	3
SURV221	Advanced Problems in Surveying I	3
SURV222	Advanced Problems in Surveying II	3
SURV229	Legal Aspects of Land Surveying I	3
SURV230	Legal Aspects of Land Surveying II	3

**LAND SURVEYING, CA**

Certificate of Achievement

**Control Number:**

21668

The Certificate of Achievement in Land Surveying provides the student a thorough background in land surveying and mapping in addition to an introduction to collection, manipulation, formatting and mapping of geospatial data. The successful graduate of this program will have the technical expertise necessary for an entry level position in the fields of Geographic Information Systems, Land Surveying, and Digital Photogrammetry. The program also assists those students preparing for the State Land Surveyor-In-Training and Land Surveyor's Exams. The State Board of Registration for Professional Engineers and Land Surveyors will grant one year of experience credit for students completing an Associate Degree in Survey/Mapping Sciences.

**Program Courses & Requirements**

Land Surveying, CA (Total 23)

**Complete the following number of credits:** **23**

<b>SURV118</b>	Plane Surveying	4
SURV119	Advanced Plane Surveying	4
SURV205	Computer Aided Drafting Fundamentals For Surveyors	3
SURV221	Advanced Problems in Surveying I	3
SURV222	Advanced Problems in Surveying II	3
SURV229	Legal Aspects of Land Surveying I	3
SURV230	Legal Aspects of Land Surveying II	3

**LEVEL I - EARLY CHILDHOOD EXCEPTIONAL NEEDS, CERT**

Certificate of Proficiency

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 Courses & Requirements

Level I - Early Childhood Exceptional Needs, CERT (Total 7-10)

**Complete the following number of credits:** **7-10**

<b>CDEV107</b>	Child Growth and Development (DS1)	3
CDEV202	Introduction to Children from Special Populations	3
CDEV299	Cooperative Work Experience Education	1-4

### LEVEL II - EARLY CHILDHOOD EXCEPTIONAL NEEDS, CERT

Certificate of Proficiency

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 Courses & Requirements

Level II - Early Childhood Exceptional Needs, CERT (Total 10-13)

**Complete the following number of credits:** **10-13**

<b>CDEV107</b>	Child Growth and Development (DS1)	3
CDEV202	Introduction to Children from Special Populations	3
CDEV203	Curriculum and Intervention Strategies for Special Populations	3
CDEV299	Cooperative Work Experience Education	1-4

## Liberal Arts

### LIBERAL ARTS: ARTS, HUMANITIES, AND COMMUNICATION, AA

A.A. Degree Major

**Control Number:**

18317

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 Courses & Requirements

Liberal Arts: Arts, Humanities, and Communication, AA (Total 18)

**Complete the following number of credits:** **18**

<b>ASL110</b>	American Sign Language I	4
ASL111	American Sign Language II	4
ASL116	Introduction to Deaf Studies	3
ASL210	American Sign Language III	4
ART100	Introduction to Art Concepts	3
ART100H	Honors Introduction to Art Concepts	3
<b>ART102</b>	Survey of Western Art History II:	
	Renaissance Through the Twentieth Century	3
ART102H	Honors Survey of Western Art History II:	
	Renaissance Through the Twentieth Century	3
CINE103	History of Film to 1945	3
CINE104	History of Film From 1945 to Present	3
CINE107	Great Directors	3
CINE108	Film Genres	3
COMM100	Introduction to Interpersonal Communication	3
COMM100H	Honors Introduction to Interpersonal Communication	3
COMM101	Group Dynamics	3
COMM110	Public Speaking	3
COMM111	Argumentation and Debate	3
DNCE100	Dance History and Appreciation	3
ENGL100	Freshman Composition with Integrated Support	4.5
<b>ENGL101</b>	Freshman Composition	4
ENGL101H	Honors Freshman Composition	4
ENGL102	Literature and Composition	4
ENGL102H	Honors Literature and Composition	4
ENGL103	Critical Thinking and Writing	4
ENGL103H	Honors Critical Thinking and Writing	4



ENGL231	Survey of English Literature I	3
<b>ENGL232</b>	Survey of English Literature II	3
ENGL233A	Shakespeare's Comedies and Romances	3
ENGL233B	Shakespeare's Tragedies and History Plays	3
ENGL241	Survey of American Literature, 1600-1865	3
ENGL242	Survey of American Literature, 1865-Present	3
ENGL270	Children's Literature	3
ENGL271	Survey of World Literature I	3
ENGL272	Survey of World Literature II	3
ENGL278	Survey of Literature by Women	3
ENGL279	Survey of Latinx Literature	3
ENGL280	Literature of the African Diaspora	3
FREN101	Elementary French I	5
FREN102	Elementary French II	5
<b>FREN194</b>	Conversation and Composition I	3
FREN201	Intermediate French I	5
FREN202	Intermediate French II	5
HIST101	World Civilizations to the 16th Century	3
HIST101H	Honors World Civilizations to the 16th Century	3
HIST102	World Civilizations Since the 16th Century	3
HIST102H	Honors World Civilizations Since the 16th Century	3
<b>HIST115</b>	African American History	3
HIST132	Modern African History	3
HIST142	History of the Modern Middle East	3
HIST152	Latin American History	3
HIST162	Asian Civilizations	3
ITAL101	Elementary Italian I	5
ITAL102	Elementary Italian II	5
ITAL194	Conversation and Composition	3
ITAL195	Advanced Conversational Italian	3
ITAL201	Intermediate Italian I	5
ITAL202	Intermediate Italian II	5
MUS101	Music Appreciation	3
MUS101H	Honors Music Appreciation	3
<b>MUS102</b>	World Music	3
MUS103	Jazz in America	3
MUS104	Rock Music History and Appreciation	3
PHIL106	Introduction to Philosophy	3
PHIL106H	Honors Introduction to Philosophy	3
PHIL108	Ethics	3
PHIL110	Critical Thinking	4
<b>PHIL111</b>	Introductory Logic	4
PHIL112	World Religions	3
PHIL115	Philosophy of Religion	3
PHIL118	History of Philosophy	3
PHIL120	Introduction to Social and Political Philosophy	3
READ150	Critical Reading	3
READ151	Critical Reading and Analysis	3
SPAN101	Elementary Spanish I	5
SPAN101H	Honors Elementary Spanish I	5
SPAN101A	Elementary Spanish IA	2.5
SPAN101B	Elementary Spanish IB	2.5
SPAN102	Elementary Spanish II	5
SPAN110	Spanish for Spanish Speakers I	5
<b>SPAN111</b>	Spanish for Spanish Speakers 2	5
SPAN194	Beginning Conversational Spanish	3
SPAN195A	Advanced Conversational Spanish	3
SPAN195B	Advanced Conversational Spanish	3
SPAN201	Intermediate Spanish I	5
SPAN202	Intermediate Spanish II	5

THEA100	Introduction to Theatre	3
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**LIBERAL ARTS: MATHEMATICS AND SCIENCES, AS**

A.S. Degree Major

**Control Number:**

18318

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 Courses & Requirements**

Liberal Arts: Mathematics and Sciences, AA (Total 18)

**Complete the following number of credits: 18**

<b>ANTH101L</b>	Physical Anthropology Laboratory	1
ANTH101	Introduction to Physical Anthropology	3
ASTR100L	Astronomy Laboratory	1
ASTR102	Introduction to Stars and Galaxies	3
ASTR103	Introduction to the Solar System	3
ASTR104	Introduction to Cosmology	3
BIOL109	Fundamentals of Biology	3
BIOL109H	Honors Fundamentals of Biology	3
BIOL109HL	Honors Fundamentals of Biology Laboratory	1
BIOL109L	Fundamentals of Biology Laboratory	1
BIOL115	Concepts in Biology for Educators	4
BIOL139	Health Microbiology	4
<b>BIOL149</b>	Human Anatomy and Physiology	4
BIOL190	Introduction to Biotechnology	3
BIOL190L	Introduction to Biotechnology Lab	1
BIOL211	Cellular and Molecular Biology	5
BIOL221	Animal Diversity and Evolution	5
BIOL229	General Microbiology	5
BIOL231	Plant Diversity and Ecology	5
BIOL239	General Human Anatomy	4
BIOL249	Human Physiology	4
BIOL259	Environmental Biology	4
CHEM100	Introductory Chemistry	4
CHEM200A	General Chemistry A	5
CHEM200AH	Honors General Chemistry A	5
CHEM200B	General Chemistry B	5
CHEM280A	Organic Chemistry A	5



CHEM280B	Organic Chemistry B	5
ENGR220	Statics	3
ENGR225	Dynamics	3
ENGR230	Network Analysis	5
ERTH100	Physical Geology	3
<b>ERTH100L</b>	Physical Geology Laboratory	1
ERTH111	Historical Geology	4
ERTH120	Earth Sciences	3
ERTH121	Earth Sciences for Educators	4
ERTH130	Environmental Geology	3
ERTH160	Oceanography	3
ERTH200	Geology of California	3
GEOG101	Introduction to the Natural Environment	3
GEOG101H	Honors Introduction to the Natural Environment	3
GEOG101L	Introduction to the Natural Environment Laboratory	1
GEOG130	Introduction to Weather and Climate	3
GEOG130H	Honors Introduction to Weather and Climate	3 MATH080
Intermediate Algebra		5
MATH085	Intermediate Algebra with Integrated Support	5.5 MATH086
Intermediate Algebra for Statistics and Liberal Arts		4 MATH105
Mathematics for Liberal Arts Students		3
MATH140	College Algebra	4
MATH150	Calculus for Biological, Management, and Social Sciences	5
MATH170	Pre-Calculus Mathematics	4
MATH171	Precalculus and Trigonometry	5
<b>MATH180</b>	Single Variable Calculus I	4
MATH180H	Honors Single Variable Calculus I	4
MATH185	Single Variable Calculus II	4
MATH219	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4 MATH225
Introduction to Data Science		4
MATH280	Intermediate Calculus	4
MATH287	Introduction to Linear Algebra and Differential Equations	5
MATH290	Linear Algebra	3
MATH295	Differential Equations	3
<b>PHYS100</b>	Conceptual Physics	4
PHYS150A	Introductory Physics I	4
PHYS150AC	Introductory Physics I - Calculus	1
PHYS150B	Introductory Physics II	4
PHYS150BC	Introductory Physics II - Calculus	1
PHYS250A	Physics for Scientists and Engineers I	5
PHYS250B	Physics for Scientists and Engineers II	5
PHYS250C	Physics for Scientists and Engineers III	5
PSC100	Survey of Chemistry and Physics	4
<b>PSYC200</b>	Introduction to Biological Psychology	3
WATR107	California Water Resources	3

## LIBERAL ARTS: MULTI-CULTURAL STUDIES, AA

A.A. Degree Major

**Control Number:**  
18319

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 Courses & Requirements

Liberal Arts: Multi-Cultural Studies, AA (Total 18)

<b>Complete the following number of credits:</b>		<b>18</b>
<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology Language and Culture	3 ANTH104
ART101	Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART101H	Honors Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART102	Survey of Western Art History II: Renaissance Through the Twentieth Century	3
ART102H	Honors Survey of Western Art History II: Renaissance Through the Twentieth Century	3
ASL110	American Sign Language I	4
ASL111	American Sign Language II	4
ASL116	Introduction to Deaf Studies	3
ASL210	American Sign Language III	4
CNSL101	Educational, Personal, Cultural, and Career Exploration	3
CNSL116	Career/Life Planning and Personal Exploration	3
CNSL118	Self Exploration and the Teaching Profession	2
CNSL150	Introduction to Human Services	3
<b>COMM120</b>	Introduction to Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3
<b>COMM225</b>	Gender Communication	3
COMM225H	Honors Gender Communication	3
EDUC101	American Schools and Society	3
ENGL271	Survey of World Literature I	3
ENGL272	Survey of World Literature II	3
ENGL278	Survey of Literature by Women	3
ENGL279	Survey of Latinx Literature	3
ENGL280	Literature of the African Diaspora	3
ETHN101	Introduction to Ethnic Studies	3



ETHN110	Introduction to Asian Pacific American Studies	3
ETHN120	Introduction to African American Studies	3
ETHN130	Introduction to Chicano Studies	3
ETHN140	Introduction to Native American Studies	3
FREN101	Elementary French I	5
FREN102	Elementary French II	5
FREN194	Conversation and Composition I	3
FREN201	Intermediate French I	5
FREN202	Intermediate French II	5
<b>GSWS101</b>	Introduction to Women's Studies	3
GSWS102	Money, Sex, and Power	3
<b>GSWS103</b>	Men and Masculinities	3
HIST115	African American History	3
HIST124	Mexican American History in the United States	3
HIST127	Women in U.S. History	3
HIST132	Modern African History	3
HIST142	History of the Modern Middle East	3
HIST152	Latin American History	3
HIST162	Asian Civilizations	3
ITAL101	Elementary Italian I	5
ITAL102	Elementary Italian II	5
ITAL194	Conversation and Composition	3
ITAL195	Advanced Conversational Italian	3
ITAL201	Intermediate Italian I	5
ITAL202	Intermediate Italian II	5
KINI110	Women's Health Issues	3
MUS103	Jazz in America	3
NUTR120	Food and Culture	3
PHIL112	World Religions	3
<b>POLT221</b>	Women in American Politics	3
PSYC170	Multicultural Psychology	3
<b>PSYC180</b>	Psychology of Gender	3
SOC150	Introduction to Race and Ethnicity	3
SOC220	Introduction to Gender and Sexualities	3
SPAN101	Elementary Spanish I	5
SPAN101H	Honors Elementary Spanish I	5
SPAN101A	Elementary Spanish IA	2.5
SPAN101B	Elementary Spanish IB	2.5
SPAN102	Elementary Spanish II	5
SPAN110	Spanish for Spanish Speakers I	5
SPAN111	Spanish for Spanish Speakers II	5
SPAN194	Beginning Conversational Spanish	3
SPAN195A	Advanced Conversational Spanish	3
SPAN195B	Advanced Conversational Spanish	3
SPAN201	Intermediate Spanish I	5
SPAN202	Intermediate Spanish II	5

## LIBERAL ARTS: SOCIAL AND BEHAVIORAL SCIENCES, AA

A.A. Degree Major

**Control Number:**  
18320

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 Courses & Requirements

Liberal Arts: Social and Behavioral Sciences, AA (Total 18)

<b>Complete the following number of credits:</b>		<b>18</b>
<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology	3 ANTH103
	Introduction to Archaeology	3
ANTH104	Language and Culture	3
CDEV107	Child Growth and Development (DS1)	3
CDEV110	Child, Family and Community (DS2)	3
CDEV202	Introduction to Children from Special Populations	3
CDEV203	Curriculum and Intervention Strategies for Special Populations	3
CDEV221	Living and Teaching in a Diverse Society	3
CINE105	Mass Media and Society	3
CJ101	Introduction to Criminal Justice	3
CMPR100	The Computer and Society	3
CNSL150	Introduction to Human Services	3
COMM120	Introduction to Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3
COMM225	Gender Communication	3
COMM225H	Honors Gender Communication	3
ECON101	Principles/Micro	3
ECON102	Principles/Macro	3
ENGL278	Survey of Literature by Women	3
<b>ETHN101</b>	Introduction to Ethnic Studies	3
ETHN110	Introduction to Asian Pacific American Studies	3
<b>ETHN120</b>	Introduction to African American Studies	3
ETHN130	Introduction to Chicano Studies	3
ETHN140	Introduction to Native American Studies	3
GEOG100	World Regional Geography	3
GEOG100H	Honors World Regional Geography	3
GEOG102	Cultural Geography	3
GEOG102H	Honors Cultural Geography	3



GSWS101	Introduction to Women's Studies	3
GSWS102	Money, Sex, and Power	3
GSWS103	Men and Masculinities	3
HIST101	World Civilizations to the 16th Century	3
HIST101H	Honors World Civilizations to the 16th Century	3
HIST102	World Civilizations Since the 16th Century	3
HIST102H	Honors World Civilizations Since the 16th Century	3
HIST115	African American History	3
HIST118	Social and Cultural History of the United States	3
HIST120	The United States to 1877	3
HIST120H	Honors The United States to 1877	3
<b>HIST121</b>	The United States Since 1865	3
HIST121H	Honors the United States Since 1865	3
<b>HIST124</b>	Mexican American History in the United States	3
HIST126	United States since 1945	3
HIST127	Women in U.S. History	3
HIST132	Modern African History	3
HIST133	History of California	3
HIST142	History of the Modern Middle East	3
HIST152	Latin American History	3
HIST162	Asian Civilizations	3
HIST240	Introduction to Peace and Conflict Studies	3
IDS155	Human Sexuality	3
KINI09	Sport in US Society	3
MATH219	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4
POLT101	American Government and Politics	3
POLT101H	Honors American Government and Politics	3
POLT110	Introduction to Political Science	3
POLT201	Introduction to Comparative Politics	3
<b>POLT220</b>	International Politics	3
POLT221	Women in American Politics	3
<b>POLT230</b>	Political Theory	3
PSYC100	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3
PSYC157	Introduction to Child Psychology	3
PSYC160	Introduction to Lifespan Psychology	3
PSYC170	Multicultural Psychology	3
PSYC180	Psychology of Gender	3
PSYC190	Psychology of Human Sexuality	3
PSYC220	Introduction to Research Methods in Psychology	4 PSYC230
Psychology of Adjustment		3
PSYC240	Introduction to Social Psychology	3
SOC100	Introduction to Sociology	3
SOC100H	Honors Introduction to Sociology	3
SOC150	Introduction to Race and Ethnicity	3
SOC115	Death and Dying	3
SOC116	Social Problems	3
SOC120	Introduction to Sociological Research Methods	3
SOC125	Introduction to Statistics in Sociology	3
SOC125H	Honors Introduction to Statistics in Sociology	3
SOC130	Relationships, Marriages, and Family Dynamics	3
SOC220	Introduction to Gender and Sexualities	3
SOC240	Introduction to Social Psychology	3
SOC240H	Honors Introduction to Social Psychology	3
SOC286	Introduction to LGBTQ Studies	3

# Mathematics

## INTERMEDIATE ALGEBRA

### MATH080: 5.0 Units

A second course in algebra that includes systems of equations, inequalities, graphs and functions, radicals, quadratics, polynomials, rational expressions, exponential and logarithmic functions, conics, and problem solving. This course meets the prerequisites for Math 140.

#### Requisites:

##### Prerequisite

Recommendation from qualifying profile from the Mathematics placement process

General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

## INTERMEDIATE ALGEBRA

### MATH080: 5.0 Units

A second course in algebra that includes systems of equations, inequalities, graphs and functions, radicals, quadratics, polynomials, rational expressions, exponential and logarithmic functions, conics, and problem solving. Prior to enrolling, students are required to consult with a counselor.

#### Requisites:

##### Prerequisite

Recommendation from qualifying profile from the Mathematics placement process

General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

## INTERMEDIATE ALGEBRA WITH INTEGRATED SUPPORT

### MATH085: 5.5 Units

A second course in algebra that includes systems of equations, inequalities, functions and graphs, radicals, quadratics, polynomials, rational expressions, exponential and logarithmic functions, and problem solving, together with an ongoing review of basic algebraic concepts. Prior to enrolling, students are required to consult with a counselor.

#### Requisites:

None

General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency





## INTERMEDIATE ALGEBRA FOR STATISTICS AND LIBERAL ARTS

### MATH086: 4.0 Units

An intermediate algebra course for students who are planning to take Statistics or Math for Liberal Arts Students. Topics include equations, inequalities, graphs and functions, radicals, quadratics, polynomials, rational expressions and equations, exponential and logarithmic functions, data analysis, and probability. Emphasis will be on modeling and solving applications. This course is designed as a refresher for students planning to take Math 105 or Math 219. Students planning to take Math 140, 170 or 171 should take Math 080.

#### Requisites:

##### Prerequisite

Recommendation from the Mathematics placement process.

General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

## MATHEMATICS FOR LIBERAL ARTS STUDENTS

### MATH105: 4.0 Units

An overview of mathematics for the liberal arts student. Topics include problem solving, financial management, probability, statistics, and selected other topics such as set theory, geometry, logic, mathematical modeling, and the history of mathematics. Includes integrated review.

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

**MATH086** Intermediate Algebra for Statistics and Liberal Arts

##### OR

##### Prerequisite

Qualifying profile from the mathematics placement process.

General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

##### CSU GE - Plan B

- Area B4: Mathematics/Quantitative Reasoning

##### IGETC - Plan C

- Area 2: Mathematical Concepts and Quantitative Reasoning

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

## COLLEGE ALGEBRA

### MATH140: 4.0 Units

Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing: sequences and series.

#### Fees:

Pearson's MyMathLab (for online assignments), optional, \$110

#### Fees:

Graphing technology (\$0-100)

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

##### OR

##### Prerequisite

Qualifying profile from the Mathematics placement process.

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

##### CSU GE - Plan B

- Area B4: Mathematics/Quantitative Reasoning

##### IGETC - Plan C

- Area 2: Mathematical Concepts and Quantitative Reasoning

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

## CALCULUS FOR BIOLOGICAL, MANAGEMENT, AND SOCIAL SCIENCES

### MATH150: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH140** College Algebra

##### OR

##### Prerequisite

Qualifying profile from the Mathematics placement process

General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

##### IGETC - Plan C

- Area 2A: Mathematical Concepts and Quantitative Reasoning

##### CSU GE - Plan B

- Area B4: Mathematics/Quantitative Reasoning

##### Course Identifier (C-ID)

- Mathematics

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

## PRE-CALCULUS MATHEMATICS

### MATH170: 4.0 Units

Advanced algebraic topics. Study of rational, trigonometric, exponential and logarithmic functions, polar coordinates, and analytic geometry. Preparation for



the Calculus sequence.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning

**Santa Ana College - Shared Course**

- Shared Course with SAC

**PRECALCULUS AND TRIGONOMETRY**

**MATH171: 5.0 Units**

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.

**Requisites:**

**Prerequisite**

**MATH080** Intermediate Algebra

**OR**

**Prerequisite**

**MATH085** Intermediate Algebra with Integrated Support

**OR**

**Prerequisite**

Qualifying profile from the mathematics placement process.

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning

**Course Identifier (C-ID)**

- Mathematics

**Local - Plan D**

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

**SINGLE VARIABLE CALCULUS I**

**MATH180: 4.0 Units**

Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates and areas.

**Requisites:**

**Prerequisite**

**MATH170** Pre-Calculus Mathematics

**OR**

**Prerequisite**

**MATH171** Precalculus and Trigonometry

**OR**

**Prerequisite**

Qualifying profile from the mathematics placement process

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning

**CSU Comparable Courses**

- CSU Comparable Courses

**Course Identifier (C-ID)**

- Mathematics

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

**HONORS SINGLE VARIABLE CALCULUS I**

**MATH180H: 4.0 Units**

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.

**Requisites:**

**Prerequisite**

**MATH170** Pre-Calculus Mathematics

**OR**

**Prerequisite**

**MATH171** Precalculus and Trigonometry

**OR**

**Prerequisite**

Equivlent course from the mathematics placement process.

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning



**Course Identifier (C-ID)**

- Mathematics

**Santa Ana College - Shared Course**

- Shared Course with SAC

**SINGLE VARIABLE CALCULUS II**

**MATH185: 4.0 Units**

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.

**Requisites:**

**Prerequisite**

**MATH180** Single Variable Calculus I

**OR**

**Prerequisite**

**MATH180H** Honors Single Variable Calculus I

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning

**Course Identifier (C-ID)**

- Mathematics

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

**MATHEMATICS INDEPENDENT STUDY**

**MATH199: 1.0 Units**

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.

**Requisites:**

**Prerequisite**

**MATH080** Intermediate Algebra

**OR**

**Prerequisite**

**MATH085** Intermediate Algebra with Integrated Support

**OR**

**Prerequisite**

Qualifying profile from the Mathematics placement process.

**Limitations on Enrollment:**

- Enrollment in at least one other class at either Santa Ana College or Santiago Canyon College and must show evidence of competence in their academic major and the area in which they propose to do independent study.

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**FUNDAMENTAL CONCEPTS OF ELEMENTARY MATHEMATICS**

**MATH203: 4.0 Units**

This course 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.

**Requisites:**

**Prerequisite**

**MATH080** Intermediate Algebra

**OR**

**Prerequisite**

**MATH085** Intermediate Algebra with Integrated Support

**OR**

**Prerequisite**

**MATH086** Intermediate Algebra for Statistics and Liberal Arts

**OR**

**Prerequisite**

Qualifying profile from the Mathematics placement process

**General Education Plan:**

**Local - Plan A**

- Area G1: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**Local - Plan D**

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

**STATISTICS AND PROBABILITY**

**MATH219: 4.0 Units**

Introduction course in statistical reasoning. Includes descriptive statistics, graphical displays of data, probability and sampling distributions, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes the use of technology.

**Requisites:**

**Prerequisite**

**MATH080** Intermediate Algebra

**OR**

**Prerequisite**

**MATH085** Intermediate Algebra with Integrated Support

**OR**

**Prerequisite**

**MATH086** Intermediate Algebra for Statistics and Liberal Arts

**OR**

**Prerequisite**

Qualifying profile from the Mathematics placement process.

**General Education Plan:**

**Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Mathematics

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area B - Mathematics and Quantitative Reasoning
- Area FI - Mathematics Proficiency

**HONORS STATISTICS AND PROBABILITY****MATH219H: 4.0 Units**

This honors course is an enhanced format for an introduction course in statistics and probability by using a seminar approach, applying statistical software and presenting individual research. This course includes descriptive statistics, graphical displays of data, probability and sampling distributions, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA and non-parametric statistics, with applications designed around the individual interests of students. Includes the use of technology.

**Requisites:****Prerequisite**

**MATH080** Intermediate Algebra

**OR****Prerequisite**

**MATH085** Intermediate Algebra with Integrated Support

**OR****Prerequisite**

**MATH086** Intermediate Algebra for Statistics and Liberal Arts

**OR****Prerequisite**

Qualifying profile from the Mathematics placement process.

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:****Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area GI: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning

**Course Identifier (C-ID)**

- Mathematics

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Santa Ana College - Shared Course**

- Shared Course with SAC

**STATISTICS AND PROBABILITY WITH INTEGRATED REVIEW****MATH220: 4.5 Units**

First course in statistical reasoning. Includes descriptive statistics, graphical displays of data, probability and sampling distributions, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics, and the use of technology. Includes integrated review of core mathematical skills needed to be successful in statistics and probability. Intended for students that prefer to supplement learning with prerequisite skills for statistics and probability.

**Requisites:**

None

**General Education Plan:****Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area GI: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning

**Course Identifier (C-ID)**

- Mathematics

**Local - Plan D**

- Area B - Mathematics and Quantitative Reasoning
- Area FI - Mathematics Proficiency

**INTERMEDIATE CALCULUS****MATH280: 4.0 Units**

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.

**Requisites:****Prerequisite**

**MATH185** Single Variable Calculus II

**General Education Plan:****Local - Plan A**

- Area E2: Communication/Analytical Thinking
- Area GI: Mathematics Proficiency

**CSU GE - Plan B**

- Area B4: Mathematics/Quantitative Reasoning

**IGETC - Plan C**

- Area 2A: Mathematical Concepts and Quantitative Reasoning

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Mathematics

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area B - Mathematics and Quantitative Reasoning
- Area FI - Mathematics Proficiency



## INTRODUCTION TO LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS

### MATH287: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH280** Intermediate Calculus

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

##### CSU GE - Plan B

- Area B4: Mathematics/Quantitative Reasoning

##### IGETC - Plan C

- Area 2A: Mathematical Concepts and Quantitative Reasoning

#### Course Identifier (C-ID)

- Mathematics

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

## LINEAR ALGEBRA

### MATH290: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH185** Single Variable Calculus II

#### AND

##### Advisory

**MATH280** Intermediate Calculus

or concurrent enrollment

#### Limitations on Enrollment:

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

##### CSU GE - Plan B

- Area B4: Mathematics/Quantitative Reasoning

##### IGETC - Plan C

- Area 2A: Mathematical Concepts and Quantitative Reasoning

#### Course Identifier (C-ID)

- Mathematics

##### Local - Plan D

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

## DIFFERENTIAL EQUATIONS

### MATH295: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH280** Intermediate Calculus

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

##### CSU GE - Plan B

- Area B4: Mathematics/Quantitative Reasoning

##### IGETC - Plan C

- Area 2A: Mathematical Concepts and Quantitative Reasoning

#### Course Identifier (C-ID)

- Mathematics

##### Local - Plan D

- Area B - Mathematics and Quantitative Reasoning
- Area F1 - Mathematics Proficiency

## MATH STUDY SKILLS AND BASIC SKILLS SUPPORT

### MATHCE100: 100.0 Hours

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.

#### Requisites:

None

## COLLEGE PREPARATION

### ESSENTIAL MATHEMATICS

#### MATHCE206: 144.0 Hours

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.

#### Fees:

OER Instructor-developed materials

#### Requisites:

None

## COLLEGE PREPARATION ALGEBRA

### MATHCE255: 144.0 Hours

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.

#### Requisites:

##### Advisory

**HSMTH159** Math Fundamentals 2



## COLLEGE ALGEBRA SUPPORT COURSE

### MATHN40: 0.5 Units

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.

#### Requisites:

#### Co-Requisite

**MATH140** College Algebra

## PRECALCULUS SUPPORT COURSE

### MATHN41: 0.5 Units

A review of mathematics needed to be successful in Precalculus. Topics are drawn from Algebra and Trigonometry. Intended for students who did not directly place into Math 170, Math 171, or for students who would like to supplement their learning with prerequisite skills.

#### Requisites:

#### Co-Requisite

**MATH170** Pre-Calculus Mathematics

#### OR

#### Co-Requisite

**MATH171** Precalculus and Trigonometry

#### OR

#### Co-Requisite

**MATH180** Single Variable Calculus I

#### OR

#### Co-Requisite

**MATH180H** Honors Single Variable Calculus I

## STATISTICS AND PROBABILITY SUPPORT COURSE

### MATHN43: 0.5 Units

A review of core mathematical skills needed to be successful in Math 219, Statistics and Probability. Topics include concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and critical thinking skills from descriptive statistics which supports introductory concepts of college-level statistics and probability. Intended for students who did not directly place into Math 219, or for students that would like to supplement their learning with prerequisite skills needed for Math 219.

#### Requisites:

#### Co-Requisite

**MATH219** Statistics and Probability

#### OR

#### Co-Requisite

**MATH219H** Honors Statistics and Probability

#### OR

#### Co-Requisite

**MATH220** Statistics and Probability with Integrated Review

#### OR

#### Co-Requisite

**SOCI25** Introduction to Statistics in Sociology

#### OR

#### Co-Requisite

**SOCI25H** Honors Introduction to Statistics in Sociology

- interpret relationships with quantitative data.

## MATH REVIEW

### MATHN73L: 0.2 Units

Students requiring specific math knowledge in courses outside the math department (such as water science, surveying, physics, accounting, etc.) will receive individual instruction of mathematical topics based on their individual need. Not applicable to associate degree. Open Entry/Open Exit

#### Requisites:

None

# Management

## PRINCIPLES OF MANAGEMENT

### MGMT120: 3.0 Units

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.

#### Requisites:

#### Anti-Requisite

**BUS120** Principles of Management

## HUMAN RELATIONS AND ORGANIZATIONAL BEHAVIOR

### MGMT121: 3.0 Units

The role of the manager and management's relationship to employees. Includes the application of motivational theories, communications, leadership, and organizational structure.

#### Requisites:

#### Anti-Requisite

**BUS121** Human Relations and Organizational Behavior

## BUSINESS COMMUNICATIONS

### MGMT122: 3.0 Units

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.

#### Requisites:

None

## SUPERVISION

### MGMT123: 3.0 Units

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.

#### Requisites:

None



## HUMAN RESOURCE MANAGEMENT

### MGMT135: 3.0 Units

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.

#### Requisites:

None

## PRINCIPLES OF ADVERTISING

### MKTG112: 3.0 Units

A study of the impact of advertising on the American economy and how it fits within the broader disciplines of business and marketing and how it relates to journalism and the field of communication and the use of persuasive techniques with products, services, or ideas. Discover what advertising people do and how they do it, the artistic creativity and technical expertise required and career opportunities within the field.

#### Requisites:

None

## PRINCIPLES OF MARKETING

### MKTG113: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

#### Santa Ana College - Shared Course

- Shared Course with SAC

# Marketing

## PROFESSIONAL SELLING

### MKTG114: 3.0 Units

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.

#### Requisites:

None

## CONSUMER BEHAVIOR

### MKTG115: 3.0 Units

The investigation and analysis of why consumers select, purchase, use, and dispose of goods and services to satisfy their personal and business needs.

#### Requisites:

None

#### General Education Plan:

Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

## WEB MARKETING AND PROMOTION

### MKTG135: 3.0 Units

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.

#### Requisites:

None

## INTRODUCTION TO SOCIAL MEDIA

### MKTG150: 3.0 Units

An introduction to social media history, marketing, and channels. Students will study, plan, organize, and create digital content.

#### Requisites:

None

## SOCIAL MEDIA MARKETING

### MKTG151: 3.0 Units

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.

#### Requisites:

None

## SMALL BUSINESS MARKETING AND ADVERTISING

### MKTG172: 3.0 Units

Techniques for small business marketing including planning, customer research, advertising, media selection, budgeting and scheduling, and the evaluation of marketing effectiveness.

#### Requisites:

None

# Music

## BASIC PIANO SKILLS

### MUS061: 1.0 Units

Group instruction for beginners emphasizing note reading, basic keyboard skills, and sight reading. Practice outside of class required. Practice pianos available on campus.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.

## MUSIC APPRECIATION

### MUS101: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C1: Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A: Arts

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Music



## HONORS MUSIC APPRECIATION

### MUSI01H: 3.0 Units

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.

#### Requisites:

None

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A:Arts

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Music

## WORLD MUSIC

### MUSI02: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A:Arts

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## JAZZ IN AMERICA

### MUSI03: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A:Arts

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## ROCK MUSIC HISTORY AND APPRECIATION

### MUSI04: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area CI:Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A:Arts

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area CI - Art

## BEGINNING VOICE

### MUSI21: 1.0 Units

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.

#### Requisites:

None

Limitations on Enrollment:

- Course Family A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC





## INTERMEDIATE VOICE

### MUSI22: 1.0 Units

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.

#### Requisites:

#### Prerequisite

**MUSI21** Beginning Voice

#### Limitations on Enrollment:

- Course Family A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## ADVANCED VOICE

### MUSI23: 1.0 Units

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.

#### Requisites:

#### Prerequisite

**MUSI22** Intermediate Voice

#### Limitations on Enrollment:

- Course Family A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

## ADVANCED VOCAL PRODUCTION AND REPERTOIRE

### MUSI24: 1.0 Units

Continuation of group instruction for students who have completed three semesters of voice and can perform at an advanced level. Further develops advanced vocal and choral production in a variety of styles and techniques. Instruction includes advanced English and foreign language song literature. Practice outside of class required. Designed for both music majors and non music majors. Field trips are required.

#### Requisites:

#### Prerequisite

**MUSI23** Advanced Voice

#### Limitations on Enrollment:

- Course Family A combination of Music 121, 122, 123 and 124 may be taken a maximum of four enrollments.

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Santa Ana College - Shared Course

- Shared Course with SAC

## COLLEGIATE CHOIR

### MUSI26: 1.0 Units

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.

#### Requisites:

None

#### Entrance Skills:

- Students should be able to repeat musical phrases given to him/her from musical instrument or from vocal singing

#### General Education Plan:

Private Institution Comparable Transfer Courses

- Private Institution Comparable Transfer Courses

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## CONCERT CHORALE

### MUSI27: 1.0 Units

Rehearsal and performance of standard and current choral classic repertoire (Renaissance, Baroque, Classical, Romantic and Contemporary). Designed to train students in mixed ensemble singing. Public performance emphasized. Each semester requires performance of a variety of new and different repertoire. Designed for students who have basic singing skills. Field trips required.

#### Requisites:

None

#### 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).

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## MASTERWORKS CHORALE

### MUSI28: 1.0 Units

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.

#### Requisites:

None

#### 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).

#### General Education Plan:

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses



## CHAMBER CHOIR

### MUSI29: 1.0 Units

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.

#### Requisites:

None

#### 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).

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## CLASS PIANO I

### MUSI61: 1.0 Units

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.

#### Requisites:

None

#### Entrance Skills:

- Students should have access to a piano or a keyboard to practice his/her assignments outside of class

#### Limitations on Enrollment:

- Course Family A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## CLASS PIANO II

### MUSI62: 1.0 Units

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.

#### Requisites:

##### Advisory

**MUS061** Basic Piano Skills

##### OR

##### Advisory

**MUSI61** Class Piano I

#### Limitations on Enrollment:

- Course Family A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## CLASS PIANO III

### MUSI63: 1.0 Units

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.

#### Requisites:

##### Advisory

**MUSI62** Class Piano II

#### Entrance Skills:

- Students should have access to a piano or a keyboard to practice his/her assignments outside of class

#### Limitations on Enrollment:

- Course Family A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## INTERMEDIATE PIANO REPERTOIRE I

### MUSI64A: 1.0 Units

Instruction for intermediate level students. Emphasizes solo material, technique, sight-reading, interpretation, and performance. Daily practice required. Practice pianos available on campus.

#### Requisites:

##### Advisory

**MUSI63** Class Piano III

#### Limitations on Enrollment:

- Course Family A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## INTERMEDIATE PIANO REPERTOIRE II

### MUSI64B: 1.0 Units

Continuation of instruction for advanced intermediate level students. Emphasizes solo material, technique, sight-reading, and performance. Daily practice required. Practice pianos available on campus.

#### Requisites:

##### Advisory

**MUSI64A** Intermediate Piano Repertoire I

#### Entrance Skills:

- Students should have access to a piano or a keyboard to practice his/her assignments outside of class

#### Limitations on Enrollment:

- Course Family A combination of Music 061, 161, 162, 163, 164A and 164B may be taken a maximum of four enrollments.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses



**MUSICAL ENSEMBLE**

**MUSI82: 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

- Audition Admission by audition only.
- This class may be taken a maximum of four enrollments.

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**BEGINNING CLASSICAL GUITAR**

**MUSI85: 1.0 Units**

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.

**Requisites:**

None

**Limitations on Enrollment:**

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

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**INTERMEDIATE CLASSICAL GUITAR**

**MUSI86: 1.0 Units**

Intermediate instruction in solo, duo and trio repertoire. Emphasizes technique studies and performance styles of 18th century music. Student must provide nylon string guitar.

**Requisites:**

**Advisory**

**MUSI85** Beginning Classical Guitar

**Limitations on Enrollment:**

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

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**ADVANCED CLASSICAL GUITAR**

**MUSI87: 1.0 Units**

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.

**Requisites:**

**Advisory**

**MUSI86** Intermediate Classical Guitar

**Limitations on Enrollment:**

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

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**ADVANCED CLASSICAL GUITAR TECHNIQUE AND REPERTOIRE**

**MUSI88: 1.0 Units**

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.

**Requisites:**

**Advisory**

**MUSI87** Advanced Classical Guitar

**Limitations on Enrollment:**

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

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**CHORALE MUSIC**

**MUSCEI26: 72.0 Hours**

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.

**Requisites:**

None

**MAINTENANCE ELECTRICIAN, AS**

A.S. Degree Major

**Control Number:**

11982

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 Courses & Requirements**

Maintenance Electrician, AS (Total 36)

<b>Complete the following number of credits:</b>		<b>36</b>
<b>AME021</b>	Period 1	4.5
AME052	Period 2	4.5
AME053	Period 3	4.5
AME054	Period 4	4.5
AME055	Period 5	4.5
AME056	Period 6	4.5
AME057	Period 7	4.5
AME058	Period 8	4.5



## MAINTENANCE ELECTRICIAN, CA

Certificate of Achievement

### Control Number:

21653

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 Courses & Requirements

Maintenance Electrician, CA (Total 36)

Complete the following number of credits:		36
<b>AME021</b>	Period 1	4.5
AME052	Period 2	4.5
<b>AME053</b>	Period 3	4.5
AME054	Period 4	4.5
AME055	Period 5	4.5
AME056	Period 6	4.5
AME057	Period 7	4.5
AME058	Period 8	4.5

## MAINTENANCE MECHANIC, AS

A.S. Degree Major

### Control Number:

16839

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 Courses & Requirements

Maintenance Mechanic, AS (Total 36)

Complete the following number of credits:		36
<b>AMM021</b>	Period 1	4.5
AMM022	Period 2	4.5
AMM023	Period 3	4.5
AMM024	Period 4	4.5
AMM025	Period 5	4.5
AMM026	Period 6	4.5
AMM027	Period 7	4.5
AMM028	Period 8	4.5

## MAINTENANCE MECHANIC, CA

Certificate of Achievement

### Control Number:

21651

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 Courses & Requirements

Maintenance Mechanic, CA (Total 36)

Complete the following number of credits:		36
<b>AMM021</b>	Period 1	4.5
AMM022	Period 2	4.5
AMM023	Period 3	4.5
AMM024	Period 4	4.5
AMM025	Period 5	4.5
AMM026	Period 6	4.5
AMM027	Period 7	4.5
AMM028	Period 8	4.5

## MAKING REMOTE EMPLOYMENT WORK FOR YOU, CC

Certificate of Completion

### Control Number:

43259

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 Courses & Requirements

Making Remote Employment Work for You, CC (Total 80)

#### Complete all of the following

<b>WKPR021</b>	Introduction to Working Remotely	40
WKPR022	Soft Skills Necessary for Employees Who Work Remotely	40

## MATHEMATICS, AS-T

A.S. Degree for Transfer

### Control Number:

31040

The Associate in Science in Mathematics for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree. Employment opportunities are available as mathematicians in government, health, industry and education. Successful completion of the transfer degree in Mathematics guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Mathematics or a related field.

### Program Courses & Requirements

Mathematics, AS-T (Total 18-22)

#### Complete all of the following

#### Major requirements: (Total 12)

Complete the following number of credits: **12**

#### Select MATH180 or MATH180H. Credit not given for both. 0

<b>MATH180H</b>	Honors Single Variable Calculus I	4
MATH180	Single Variable Calculus I	4
MATH185	Single Variable Calculus II	4
MATH280	Intermediate Calculus	4

#### Select one (1) course from the following (List A): (Total 3-5)

Complete the following number of credits: **3-5**

<b>MATH287</b>	Introduction to Linear Algebra and Differential Equations	5
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MATH290	Linear Algebra	3
MATH295	Differential Equations	3

**Select one (1) course from the following (List B): (Total 3-5)**  
**Complete the following number of credits: 3-5**

<b>CMPRI12</b>	Java Programming	3
CMPI120	Introduction to Programming	3
CMPI213	C# Programming	3
MATH219	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4
<b>PHYS250A</b>	Physics for Scientists and Engineers I	5

**MEDICAL ASSISTANT, CC**

Certificate of Completion

**Control Number:**

36212

The Medical Assistant Certificate is designed to provide the hands-on training, practical experience, and industry support it takes to pursue a professional healthcare career. The program includes practical, real-world experience working with knowledgeable medical professionals and making important industry connections. An emphasis is placed on preparing the student to pass the examination to become a Registered Medical Assistant (RMA).

**Program Courses & Requirements**

Medical Assistant, CC (Total 730)

**Complete the following number of credits: 730**

<b>VMED020</b>	Overview of the Medical Assistant Training Program	10
VMED021	Medical Terminology for Medical Assistants	60
VMED022	Business Procedures for Medical Assistants	180
VMED023	Body Systems for Medical Assistants	60
VMED024	Human Diseases and Disorders for Medical Assistants	60
VMED025	Clinical Procedures for Medical Assistants	120
VMED026	Surgical Assisting for Medical Assistants	90
VMED027	Externship for Medical Assistants	150

**MEDICAL BILLING, CC**

Certificate of Completion

**Control Number:**

24052

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 Courses & Requirements**

Certificate Requirements: 240 hours (credits are in hours) (Total 240)

**Complete the following number of hours: 240**

<b>VBUSI19</b>	Introduction to Keyboarding and Basic Windows	60
VMED090	Introduction to Medical Coding	60
VMED091	Introduction to Medical Billing	60
<b>WKPR500</b>	Workforce Readiness	60

**MODERN LANGUAGES, AA**

A.A. Degree Major

**Control Number:**

11925

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 proficiency in multiple languages. The associate degree in modern languages requires the following: Completion of a minimum of 21 units total. Completion of a minimum of 13 units in any one language including courses numbered 201 and 202. Completion of 5 units in a second language. Completion of a minimum of 3 units of restricted electives.

**Program Courses & Requirements**

Modern Languages, AA (Total 21-23)

**Complete all of the following**

Completion of a minimum of thirteen (13) units in any ONE language including the courses numbered 201 and 202. 0

Completion of five (5) units in a SECOND language 0

Completion of a minimum of three (3) units of restricted electives 0

Major Requirements: (Total 18)

**Complete the following number of credits: 18**

<b>FREN101</b>	Elementary French I	5
FREN102	Elementary French II	5
<b>FREN194</b>	Conversation and Composition I	3
FREN201	Intermediate French I	5
FREN202	Intermediate French II	5
ITAL101	Elementary Italian I	5
ITAL102	Elementary Italian II	5
ITAL194	Conversation and Composition	3
ITAL195	Advanced Conversational Italian	3
ITAL201	Intermediate Italian I	5
ITAL202	Intermediate Italian II	5
SPAN101	Elementary Spanish I	5
SPAN101H	Honors Elementary Spanish I	5
SPAN101A	Elementary Spanish IA	2.5
SPAN101B	Elementary Spanish IB	2.5
SPAN102	Elementary Spanish II	5
SPAN110	Spanish for Spanish Speakers I	5
SPAN111	Spanish for Spanish Speakers 2	5
<b>SPAN194</b>	Beginning Conversational Spanish	3
SPAN195A	Advanced Conversational Spanish	3
SPAN195B	Advanced Conversational Spanish	3
SPAN201	Intermediate Spanish I	5
<b>SPAN202</b>	Intermediate Spanish II	5
SPAN213	College Spanish Composition	3

**SPAN 201 and SPAN 110 are equivalent. SPAN 202 and SPAN 111 are equivalent Please select only one of each course to receive credit. 0**

Restricted Electives (Total 3-5)

**Complete the following number of credits: 3-5**

Any course listed above in a THIRD language 0		
<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology	3
ART101	Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART102	Survey of Western Art History II: Renaissance Through the Twentieth Century	3
CHNS101	Elementary Chinese I	5



CHNS102	Elementary Chinese II	5
COMMI00	Introduction to Interpersonal Communication	3
COMMI00H	Honors Introduction to Interpersonal Communication	3
ENGL102	Literature and Composition	4
ENGL102H	Honors Literature and Composition	4
ENGL271	Survey of World Literature I	3
ENGL272	Survey of World Literature II	3
GEOG100	World Regional Geography	3
<b>GEOG100H</b>	Honors World Regional Geography	3
HIST101	World Civilizations to the 16th Century	3
HIST101H	Honors World Civilizations to the 16th Century	3
HIST102	World Civilizations Since the 16th Century	3
HIST102H	Honors World Civilizations Since the 16th Century	3
HIST124	Mexican-American History in the United States	3
POLT101	American Government and Politics	3
POLT101H	Honors American Government and Politics	3
POLT220	International Politics	3

## MULTI-MEDIA ARTISTS AND ANIMATORS, CC

Certificate of Completion

### Control Number:

33161

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 Courses & Requirements

Multi-Media Artists and Animators, CC (Total 300)

<b>Complete the following number of credits:</b>	<b>300</b>	
<b>VBUS096</b>	Introduction to Use of Digital Cameras	60
VBUS101	Introduction to 3D Modeling using Blender	60
VBUS105	Introduction to 3D Animation using Blender	60
VBUS109	Introduction to Desktop Video Editing using Adobe Premiere	60
VBUS120	Introduction to Animations using Adobe Animate	60

## Nutrition

### NUTRITION

#### NUTRI15: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ENGL100** Freshman Composition with Integrated Support

#### OR

##### Prerequisite

**ENGL101** Freshman Composition

#### OR

##### Prerequisite

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area E1: Lifelong Learning

##### Santa Ana College - Shared Course

- Shared Course with SAC

## FOOD AND CULTURE

#### NUTRI20: 3.0 Units

A multi-cultural perspective on traditional and contemporary food choices. The class considers customs associated with food in relation to religion, health/medicine, human survival, and symbolism. The impact of socio-economics, historical events, population movements, and geography are also discussed.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F2: Physical Activity

##### CSU GE - Plan B

- Area E1: Lifelong Learning

##### IGETC - Plan C

- Area 3B: Humanities
- Area 4: Social and Behavioral Sciences

##### Santa Ana College - Shared Course

- Shared Course with SAC

## NURSE ASSISTANT ACUTE CARE, CC

Certificate of Completion

### Control Number:

37805

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 Courses & Requirements

Nurse Assistant Acute Care, CC (Total 180)



**Complete the following number of credits: 180**

<b>VMED070</b>	Acute Care Theory for Nurse Assistants	90
<b>VMED071</b>	Acute Care Practice for Nurse Assistants	90

**NURSING ASSISTANT, CC**

Certificate of Completion

**Control Number:**

36213

The Certificate of Completion in Nursing Assistant is designed to provide students with the clinical and theoretical knowledge to prepare for the Certified Nursing Assistant (CNA) designation. Students will learn to be part of a healthcare team under the supervision of a nurse. The curriculum is based on the professional standards established by regulatory agencies, and it covers essential topics included in the Nurse Assistant Certification Exam. Due to Health Department regulations, a physical exam, CPR certification, and background check must be completed at the start of the program.

**Program Courses & Requirements** Nursing Assistant, CC (Total 250)

**Complete the following number of credits: 250**

<b>VMED010</b>	Overview of the Nursing Assistant Training Program	10
<b>VMED011</b>	Certified Nursing Assistant (CNA) Training	240

**NUTRITION AND DIETETICS, AS-T**

A.S. Degree for Transfer

**Control Number:**

35735

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 Courses & Requirements**

Nutrition and Dietetics, AS-T (Total 27-30)

**Complete 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. 0

**Major requirements: (Total 16)**

**Complete the following number of credits: 16**

<b>BIOL229</b>	General Microbiology	5
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**Select CHEM200A or CHEM 200AH. Credit will be awarded for only one. 0**

<b>CHEM200A</b>	General Chemistry A	5
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<b>CHEM200AH</b>	Honors General Chemistry A	5
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<b>NUTR115</b>	Nutrition	3
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**Select PSYC100 or PSYC100H. Credit will be awarded for only one. 0**

<b>PSYC100</b>	Introduction to Psychology	3
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<b>PSYC100H</b>	Honors Introduction to Psychology	3
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**Select two (2) courses from the following (List A): (Total 8-10)**

**Complete the following number of credits: 8-10**

<b>BIOL239</b>	General Human Anatomy	4
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<b>BIOL249</b>	Human Physiology	4
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<b>CHEM200B</b>	General Chemistry B	5
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<b>CHEM280A</b>	Organic Chemistry A	5
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<b>MATH219</b>	Statistics and Probability	4
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<b>MATH219H</b>	Honors Statistics and Probability	4
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<b>MATH220</b>	Statistics and Probability with Integrated Review	4
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**MATH 219 or MATH219H or MATH220 are considered the same course and credit will be awarded for only one. 0**

**Select one (1) course from the following (List B): (Total 3-4)**

**Complete the following number of credits: 3-4**

An additional course from List A (4-5 units) not used to fulfill List A requirement. 0

<b>NUTR120</b>	Food and Culture	3
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**HEALTH AND WELLNESS**

**OAP200: 72.0 Hours**

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.

**Requisites:**

None

**MUSIC ARTS FOR OLDER ADULTS**

**OAP457: 72.0 Hours**

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.

**Requisites:**

None

**CREATIVE COOKING FOR OLDER ADULTS**

**OAP518: 72.0 Hours**

Enhances awareness of current cooking techniques, basic nutrition, and consumer awareness. A variety of cooking appliances and methods are utilized. Open Entry/Open Exit.

**Requisites:**

None

**INTRODUCTION TO KEYBOARDING, BASIC WINDOWS AND NAVIGATING THE INTERNET**

**OAP800: 72.0 Hours**

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.

**Requisites:**

None

**SEMINAR FOR OLDER ADULTS**

**OAP802: 72.0 Hours**

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.

**Requisites:**

None

**MANIPULATIVE SKILLS FOR OLDER ADULTS**

**OAP823: 72.0 Hours**

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.

**Requisites:**

None



## BEGINNING CROCHET FOR OLDER ADULTS

### OAP824: 72.0 Hours

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.

#### Requisites:

None

## BEGINNING ACRYLIC PAINTING FOR OLDER ADULTS

### OAP825: 72.0 Hours

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 .

#### Requisites:

None

## BEGINNING WATERCOLOR PAINTING FOR OLDER ADULTS

### OAP826: 72.0 Hours

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 .

#### Requisites:

None

## INTRODUCTION TO ARTS AND CRAFTS FOR OLDER ADULTS

### OAP827: 72.0 Hours

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.

#### Requisites:

None

## BEGINNING QUILTING FOR OLDER ADULTS

### OAP828: 72.0 Hours

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.

#### Requisites:

None

## HAND EMBROIDERY

### OAP829: 72.0 Hours

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.

#### Requisites:

None

## OFFICE LEADERSHIP SKILLS, CC

Certificate of Completion

**Control Number:**  
37803

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 Courses & Requirements

Office Leadership Skills, CC (Total 184)

**Complete the following number of credits:** **184**

<b>WKPR002</b>	Self-Advocacy	60
WKPR007	Social Skills and Necessary Etiquette	60
WKPR014	Basic Finances in the Workforce	32
WKPR015	Public Communications	32

## OFFICE TECHNOLOGY, CC

Certificate of Completion

**Control Number:**  
38399

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 Courses & Requirements

Office Technology, CC (Total 120)

**Complete the following number of credits:** **120**

<b>WKPR009</b>	Beginning Computers	60
WKPR018	Social Media and Online Safety in the Workplace	60

## 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>.

# Public Administration

## FUNDAMENTALS OF PUBLIC WORKS

### PBLC050: 3.0 Units

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.

#### Requisites:

None

## INFRASTRUCTURE CONSTRUCTION AND MAINTENANCE

### PBLC051: 3.0 Units

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.

#### Requisites:

None





## PLAN INTERPRETATION AND COST ESTIMATING

### PBLC061: 3.0 Units

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.

#### Requisites:

None

## CONSTRUCTION MATERIALS AND TESTING

### PBLC063: 3.0 Units

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.

#### Requisites:

None

## ENVIRONMENTAL MANAGEMENT

### PBLC067: 3.0 Units

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.

#### Requisites:

None

## FUNDAMENTALS OF STORM WATER MANAGEMENT

### PBLC068: 3.0 Units

Provides basic knowledge of regulatory storm water discharge permits administered by Regional Water Quality Control Board. Emphasis is placed on permit compliance requirements for contractors, business owners, residents and government agencies. Field trips may be required.

#### Requisites:

None

## GREEN INFRASTRUCTURE CONSTRUCTION

### PBLC069: 3.0 Units

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.

#### Requisites:

None

## CONSTRUCTION INSPECTION

### PBLC070: 3.0 Units

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.

#### Requisites:

None

## CONTRACT ADMINISTRATION

### PBLC074: 3.0 Units

Presents techniques, methods and processes used to manage Public Works construction projects. Emphasis placed on planning, scheduling, execution, controlling and closure, and evaluation of extra work, claims, disputed work and project documentation. Field trips may be required.

#### Requisites:

None

## PRINCIPLES OF PROJECT MANAGEMENT

### PBLC080: 3.0 Units

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.

#### Requisites:

##### Anti-Requisite

**BUS090** Principles of Project Management

## CODE ENFORCEMENT OFFICER

### PBLC085: 3.0 Units

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.

#### Requisites:

None

## BASIC CODE ENFORCEMENT OFFICER MODULE I

### PBLC086: 1.0 Units

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.

#### Requisites:

None

## INTERMEDIATE CODE ENFORCEMENT OFFICER MODULE 2

### PBLC087: 1.0 Units

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.

#### Requisites:

None





may be earned during one (1) semester in occupation work experience education.

# Philosophy

## HUMANITIES: WHAT, WHY & HOW TO SUCCEED

### PHIL099: 1.0 Units

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.

#### Requisites:

##### Anti-Requisite

**PHIL099** Humanities:What,Why & How to Succeed

## INTRODUCTION TO PHILOSOPHY

### PHIL106: 3.0 Units

A survey of historical and contemporary ideas on ways to have to live the good life.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Philosophy

##### Local - Plan D

- Area C2 - Humanities

## HONORS INTRODUCTION TO PHILOSOPHY

### PHIL106H: 3.0 Units

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.

#### Requisites:

None

#### Entrance Skills:

- A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Philosophy

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## ETHICS

### PHIL108: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Philosophy

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## CRITICAL THINKING

### PHIL110: 4.0 Units

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.

#### Requisites:

##### Prerequisite

**ENGL100** Freshman Composition with Integrated Support

##### OR

##### Prerequisite

**ENGL101** Freshman Composition

##### OR

##### Prerequisite

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking

##### CSU GE - Plan B

- Area A3: Critical Thinking

##### IGETC - Plan C

- Area 1B: Critical Thinking/Composition

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses



### Santa Ana College - Shared Course

- Shared Course with SAC

### Local - Plan D

- Area A2 - Critical Thinking/Composition
- Area F2 - Reading Proficiency

## INTRODUCTORY LOGIC

### PHIL111: 4.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area A3: Critical Thinking

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Philosophy

### Santa Ana College - Shared Course

- Shared Course with SAC

### Local - Plan D

- Area A2 - Critical Thinking/Composition
- Area F2 - Reading Proficiency

## WORLD RELIGIONS

### PHIL112: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities
- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### Local - Plan D

- Area C2 - Humanities

## PHILOSOPHY OF RELIGION

### PHIL115: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

### Local - Plan D

- Area C2 - Humanities

## HISTORY OF PHILOSOPHY

### PHIL118: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### Santa Ana College - Shared Course

- Shared Course with SAC

### Local - Plan D

- Area C2 - Humanities



## INTRODUCTION TO SOCIAL AND POLITICAL PHILOSOPHY

### PHIL120: 3.0 Units

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities

**Local - Plan D**

- Area C2 - Humanities

# Physics

## CONCEPTUAL PHYSICS

### PHYS100: 4.0 Units

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area A: Natural Sciences

**CSU GE - Plan B**

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

**IGETC - Plan C**

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

## INTRODUCTORY PHYSICS I

### PHYS150A: 4.0 Units

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.

**Requisites:**

**Prerequisite**

**MATH171** Precalculus and Trigonometry

**General Education Plan:**

**Local - Plan A**

- Area A: Natural Sciences

**CSU GE - Plan B**

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

**IGETC - Plan C**

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Physics

**Local - Plan D**

- Area E1 - Physical Sciences

## INTRODUCTORY PHYSICS I - CALCULUS

### PHYS150AC: 1.0 Units

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.

**Requisites:**

**Prerequisite**

**MATH180** Single Variable Calculus I

**OR**

**Prerequisite**

**MATH180H** Honors Single Variable Calculus I

**Co-Requisite**

**PHYS150A** Introductory Physics I

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Local - Plan D**

- Area E1 - Physical Sciences



## INTRODUCTORY PHYSICS II

### PHYS150B: 4.0 Units

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.

#### Requisites:

##### Prerequisite

**PHYS150A** Introductory Physics I

#### General Education Plan:

##### CSU GE - Plan B

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Physics

#### Local - Plan D

- Area E1 - Physical Sciences

## INTRODUCTORY PHYSICS II - CALCULUS

### PHYS150BC: 1.0 Units

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.

#### Requisites:

##### Prerequisite

**PHYS150A** Introductory Physics I

##### Prerequisite

**PHYS150AC** Introductory Physics I - Calculus

#### Co-Requisite

**PHYS150B** Introductory Physics II

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Local - Plan D

- Area E1 - Physical Sciences

## PHYSICS FOR SCIENTISTS AND ENGINEERS I

### PHYS250A: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH180** Single Variable Calculus I

#### OR

##### Prerequisite

**MATH180H** Honors Single Variable Calculus I

#### Advisory

**PHYS100** Conceptual Physics or high school Physics

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Physics

#### Local - Plan D

- Area E1 - Physical Sciences

## PHYSICS FOR SCIENTISTS AND ENGINEERS II

### PHYS250B: 5.0 Units

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.

#### Requisites:

##### Prerequisite

**MATH185** Single Variable Calculus II

#### AND

##### Prerequisite

**PHYS250A** Physics for Scientists and Engineers I

#### General Education Plan:

##### CSU GE - Plan B

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

##### IGETC - Plan C

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Physics

#### Local - Plan D

- Area E1 - Physical Sciences



**PHYSICS FOR SCIENTISTS AND ENGINEERS III**

**PHYS250C: 5.0 Units**

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.

**Requisites:**

**Prerequisite**

**PHYS250B** Physics for Scientists and Engineers II

**AND**

**Advisory**

**MATH280** Intermediate Calculus

**General Education Plan:**

**CSU GE - Plan B**

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

**IGETC - Plan C**

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Physics

**Local - Plan D**

- Area E1 - Physical Sciences

**Political Science**

**AMERICAN GOVERNMENT AND POLITICS**

**POLTI01: 3.0 Units**

Study of United States national government and California state and local governments. Satisfies graduation requirement for American institutions and state requirements for California state government. Previous Title: Political Science 101, Introduction to American Government (2018)

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area B1: Social and Behavioral Sciences: American Institutions
- Area B2: Social and Behavioral Sciences: Social Science Elective

**CSU GE - Plan B**

- Area D: Social Sciences
- Area US2: U.S. Constitution and Government
- Area US3: California State and Local Government

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences
- Area US2: U.S. Constitution and Government
- Area US3: California State and Local Government

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Political Science

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**HONORS AMERICAN GOVERNMENT AND POLITICS**

**POLTI01H: 3.0 Units**

A student-oriented exploration of the historical and contemporary principles of American government and politics. Study groups and individual computer-based research focus on basic political concepts of American national and state governments. Satisfies graduation requirement for American Institutions and state requirements for California state government. Previous Title: Political Science 101H, Honors Introduction to American Government (2018)

**Requisites:**

**Prerequisite**

A high school or college GPA of 3.0 or above

**General Education Plan:**

**Local - Plan A**

- Area B1: Social and Behavioral Sciences: American Institutions
- Area B2: Social and Behavioral Sciences: Social Science Elective

**CSU GE - Plan B**

- Area D: Social Sciences
- Area US2: U.S. Constitution and Government
- Area US3: California State and Local Government

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences
- Area US2: U.S. Constitution and Government
- Area US3: California State and Local Government

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Political Science

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**INTRODUCTION TO POLITICAL SCIENCE**

**POLTI10: 3.0 Units**

An introduction to political science designed to familiarize students with basic political concepts, political ideologies, political systems, and subfields within political science.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area B2: Social and Behavioral Sciences: Social Science Elective

**CSU GE - Plan B**

- Area D: Social Sciences

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences



## MODEL UNITED NATIONS

### POLT150: 4.0-6.0 Units

An introductory course in the study of the United Nations. The focus will be on the role of the United Nations in world politics in relation to the success and failure of theories of collective security, international disputes resolution, human rights, peacekeeping attempts and technological cooperation. Prepares students for individual and team Model United Nations events for intercollegiate United Nations conferences and competitions. Students are required to attend Model United Nations conferences. Former Title: POLT 150, Introduction to Model United Nations (Fall 2019)

#### Requisites:

##### Prerequisite

**POLT101** American Government and Politics

##### OR

##### Prerequisite

**POLT101H** Honors American Government and Politics

##### OR

##### Prerequisite

**POLT220** International Politics

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## AMERICAN POLITICAL THOUGHT

### POLT200: 3.0 Units

An inquiry into the major influences that have shaped American political thought. Emphasis is on an historical analysis of political thought contributing to contemporary politics. A thorough examination of the significance of political thought on political parties and political events is conducted.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

#### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## INTRODUCTION TO COMPARATIVE POLITICS

### POLT201: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

#### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### Course Identifier (C-ID)

- Political Science

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## INTERNATIONAL POLITICS

### POLT220: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

#### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Political Science

#### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## WOMEN IN AMERICAN POLITICS

### POLT221: 3.0 Units

A historical and philosophical study of the role women play in the politics of the United States as voters, policy makers, and activists. Attention will be devoted to topics of gender in education and the workplace, the politics of abortion, same sex marriage, and surrogate motherhood. The course will consider how race, class, age, and education affect the politicization of women.

#### Requisites:

##### Advisory

**POLT101** American Government and Politics

##### OR

##### Advisory

**POLT101H** Honors American Government and Politics

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

#### IGETC - Plan C

- Area 4: Social and Behavioral Sciences



**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**POLITICAL THEORY****POLT230: 3.0 Units**

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.

**Fees:**

Any textbook listed above or similar.

**Requisites:**

None

**General Education Plan:****Local - Plan A**

- Area B2: Social and Behavioral Sciences: Social Science Elective

**CSU GE - Plan B**

- Area D: Social Sciences

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Political Science

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**ADVANCED MODEL UNITED NATIONS****POLT250: 4.0-6.0 Units**

An advanced course in the study of the United Nations. The focus will be on mentorship of novice members, advanced research, team events training, individual events training and research for intercollegiate United Nations conferences and competitions. Non-Governmental Organizations (NGOs), Intergovernmental Organizations (IGOs), International Criminal Court (ICC), International Court of Justice (ICJ) and various other international bodies are covered. Prepares students for international current event debates, parliamentary debate and conflict resolution. Students are required to attend Model United Nations conferences.

**Requisites:****Prerequisite**

**POLT150** Introduction to Model United Nations

**General Education Plan:**

# Parenting

**EFFECTIVE PARENTING****PRNT532: 27.0 Hours**

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.

**Requisites:**

None

**PREPARATION FOR CHILDBIRTH****PRNT544: 36.0 Hours**

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.

**Requisites:**

None

**SURVEY OF CHEMISTRY AND PHYSICS****PSCI100: 4.0 Units**

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.

**Requisites:****Advisory**

**MATH080** Intermediate Algebra

**OR****Advisory**

**MATH085** Intermediate Algebra with Integrated Support

**OR****Advisory**

Qualifying profile from the Mathematics placement process.

**General Education Plan:****Local - Plan A**

- Area A: Natural Sciences

**CSU GE - Plan B**

- Area B1: Physical Sciences
- Area B3: Laboratory Activity

**IGETC - Plan C**

- Area 5A: Physical Science
- Area 5C: Laboratory Activities

**Course Identifier (C-ID)**

- Physics

# Psychology

**INTRODUCTION TO PSYCHOLOGY****PSYC100: 3.0 Units**

An introduction to the major theories, methods, concepts, ethical issues, and findings in the major fields in psychology including (but not limited to): research methods, biological bases of behavior, perception, learning, memory, cognition, emotion, motivation, development, personality, social, and abnormal psychology.

**Requisites:**

None

**General Education Plan:****Local - Plan A**

- Area B2: Social and Behavioral Sciences: Social Science Elective

**CSU GE - Plan B**

- Area D: Social Sciences

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Psychology

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**HONORS INTRODUCTION TO PSYCHOLOGY****PSYCI00H: 3.0 Units**

Content-enriched course for honors students emphasizing application and critical analysis of psychological concepts. An introduction to the major theories, methods, concepts, ethical issues, and findings in the major fields in psychology including (but not limited to): research methods, biological bases of behavior; perception, learning, memory, cognition, emotion, motivation, development, personality, social, and abnormal psychology.

**Requisites:**

None

**Entrance Skills:**

- A high school or college GPA of 3.0 or above

**General Education Plan:****Local - Plan A**

- Area B2: Social and Behavioral Sciences: Social Science Elective

**CSU GE - Plan B**

- Area B2: Life Sciences

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Psychology

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**INTRODUCTION TO CHILD PSYCHOLOGY****PSYCI57: 3.0 Units**

Survey of human development from conception through adolescence. Covers major theories of development (cognition, perception, language, personality, etc.) and their application to parenting, teaching, and other interactions with children. (No credit if student has taken Child Development 107.)

**Requisites:****Anti-Requisite**

**CDEVI07** Child Growth and Development (DS1)

**General Education Plan:****CSU GE - Plan B**

- Area D: Social Sciences
- Area E1: Lifelong Learning

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Psychology

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences



## INTRODUCTION TO LIFESPAN PSYCHOLOGY

### PSYCI60: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area D: Social Sciences
- Area E1: Lifelong Learning

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Psychology

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## MULTICULTURAL PSYCHOLOGY

### PSYCI70: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## PSYCHOLOGY OF GENDER

### PSYCI80: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area D: Cultural Breadth

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## PSYCHOLOGY OF HUMAN SEXUALITY

### PSYCI90: 3.0 Units

An overview of human sexuality through a psychological lens with additional focus on biological, sociocultural, and historical perspectives and influences. Topics to be explored will include, but will not be limited to, the following: sexual anatomy and physiological arousal; sexual attitudes and values; sexual behaviors, dysfunction, disorders and treatments; relationships and communication; interconnections to cultural identities (e.g., race, gender identity, sexual orientation, age, religion, etc.); sexual violence; contraception and pregnancy; and sexually transmitted infections and prevention. Current sex norms and various aspects of interpersonal and individual sexual adjustment will also be discussed. (No credit if a student has taken IDS 155.)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area D: Social Sciences
- Area E1: Lifelong Learning

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Psychology

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences



## INTRODUCTION TO BIOLOGICAL PSYCHOLOGY

### PSYC200: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**PSYC100** Introduction to Psychology

##### OR

##### Prerequisite

**PSYC100H** Honors Introduction to Psychology

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Psychology

##### CSU GE - Plan B

- Area B2: Life Sciences

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### IGETC - Plan C

- Area 5A: Physical Science

##### Local - Plan D

- Area E2 - Biological Sciences
- Area D2 - Social and Behavioral Sciences

## INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY

### PSYC220: 4.0 Units

Emphasizes methods of study in psychology including: sound and ethical experimental design, analysis of variables contributing to experimental results, data treatment, and communicating findings.

#### Requisites:

##### Prerequisite

**MATH219** Statistics and Probability

##### OR

##### Prerequisite

**MATH219H** Honors Statistics and Probability

##### OR

##### Prerequisite

**MATH220** Statistics and Probability with Integrated Review

##### AND

##### Prerequisite

**PSYC100** Introduction to Psychology

##### OR

##### Prerequisite

**PSYC100H** Honors Introduction to Psychology

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Psychology

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## PSYCHOLOGY OF ADJUSTMENT

### PSYC230: 3.0 Units

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)

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area D: Social Sciences
- Area E1: Lifelong Learning

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### Course Identifier (C-ID)

- Psychology

##### Local - Plan D

- Area D2 - Social and Behavioral Sciences

## INTRODUCTION TO SOCIAL PSYCHOLOGY

### PSYC240: 3.0 Units

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.)

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Psychology

##### Santa Ana College - Shared Course

- Shared Course with SAC



**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**INTRODUCTION TO ABNORMAL PSYCHOLOGY**

**PSYC250: 3.0 Units**

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.

**Requisites:**

**Prerequisite**

**PSYC100** Introduction to Psychology

**OR**

**Prerequisite**

**PSYC100H** Honors Introduction to Psychology

**General Education Plan:**

**CSU GE - Plan B**

- Area D: Social Sciences

**IGETC - Plan C**

- Area 4: Social and Behavioral Sciences

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Psychology

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area D2 - Social and Behavioral Sciences

**PHILOSOPHY, AA-T**

A.A. Degree for Transfer

**Control Number:**

32042

The Associate in Arts in Philosophy for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree. Successful completion of the transfer degree in Philosophy guarantees the student acceptance to a California State University to pursue a baccalaureate degree. The transfer degree prepares students who plan to teach philosophy, or who plan to study theology or law, and establishes a foundation for graduate studies in the areas of liberal arts, critical theory, international relations, cognitive science and specialized historical studies.

**Program Courses & Requirements**

Philosophy, AA-T (Total 19-20)

**Complete the following number of credits: 19-20**

**Major requirements: (Total 7)**

**Complete the following number of credits: 7**

**Select PHIL106 or 106H or PHIL 108. Credit will be awarded for only one. 0**

<b>PHIL106</b>	Introduction to Philosophy	3
PHIL106H	Honors Introduction to Philosophy	3
PHIL108	Ethics	3
PHIL111	Introductory Logic	4

**Select one (1) course from the following (List A): (Total 3-4)**  
**Complete the following number of credits: 3-4**

<b>PHIL110</b>	Critical Thinking	3
PHIL112	World Religions	4
PHIL118	History of Philosophy	3

**Select two (2) courses from the following (List B): (Total 6-7)**  
**Complete the following number of credits: 6-7**

<b>PHIL115</b>	Philosophy of Religion	3
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**An additional course from List A (3-4 units). May not be a course used to satisfy the requirements in List A. 0**

**Select one (1) course from the following (List C): (Total 3-4)**  
**Complete the following number of credits: 3-4**

<b>PHIL120</b>	Introduction to Social and Political Philosophy	3
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**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. 0**

**PHYSICS, AS-T**

A.S. Degree for Transfer

**Control Number:**

31039

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 Courses & Requirements**

Physics, AS-T (Total 27)

**Complete the following number of credits: 27**

**Complete at least one of the following rules (Total 4-8)**

<b>MATH180</b>	Single Variable Calculus I	4
MATH180H	Honors Single Variable Calculus I	4

**Complete all of the following (Total 23)**

<b>MATH185</b>	Single Variable Calculus II	4
MATH280	Intermediate Calculus	4
PHYS250A	Physics for Scientists and Engineers I	5
PHYS250B	Physics for Scientists and Engineers II	5
<b>PHYS250C</b>	Physics for Scientists and Engineers III	5



## PHYSICS, AS-UCTP

A.S. Degree Major

The University of California Transfer Pathway (UCTP) Associate in Science Degree in Physics aligns with the expected major preparation for students planning to transfer to a University of California campus in physics. Students that complete this degree with an overall and major GPA of 3.5 are guaranteed admission to the University of California system.

### Program Courses & Requirements

#### Required Courses

<b>MATH180</b>	Single Variable Calculus I	4.0
MATH180H	Honors Single Variable Calculus I	4.0
MATH185	Single Variable Calculus II	4.0
MATH280	Intermediate Calculus	4.0
MATH290	Linear Algebra	3.0
MATH295	Differential Equations	3.0
PHYS250A	Physics for Scientists and Engineers I	5.0
PHYS250B	Physics for Scientists and Engineers II	5.0
PHYS250C	Physics for Scientists and Engineers III	5.0

**TOTAL CREDITS 37.0**

#### Major Requirements:

**33.0 Credits**

<b>MATH180</b>	Single Variable Calculus I	4.0
<b>OR</b>		
<b>MATH180H</b>	Honors Single Variable Calculus I	4.0
<b>AND</b>		
<b>MATH185</b>	Single Variable Calculus II	4.0
<b>AND</b>		
<b>MATH280</b>	Intermediate Calculus	4.0
<b>AND</b>		
<b>MATH290</b>	Linear Algebra	3.0
<b>AND</b>		
<b>MATH295</b>	Differential Equations	3.0
<b>AND</b>		
<b>PHYS250A</b>	Physics for Scientists and Engineers I	5.0
<b>AND</b>		
<b>PHYS250B</b>	Physics for Scientists and Engineers II	5.0
<b>AND</b>		
<b>PHYS250C</b>	Physics for Scientists and Engineers III	5.0

**TOTAL CREDITS 33.0**

### Recommended Sequence

First Semester		Credits
<b>MATH180</b>	Single Variable Calculus I	4.0
MATH180H	Honors Single Variable Calculus I	4.0
<b>TOTAL CREDITS</b>		<b>8.0</b>
Second Semester		Credits
<b>PHYS250A</b>	Physics for Scientists and Engineers I	5.0
MATH185	Single Variable Calculus II	4.0
<b>TOTAL CREDITS</b>		<b>9.0</b>
Third Semester		Credits
<b>MATH280</b>	Intermediate Calculus	4.0
PHYS250B	Physics for Scientists and Engineers II	5.0
<b>TOTAL CREDITS</b>		<b>9.0</b>
Fourth Semester		Credits
<b>MATH290</b>	Linear Algebra	3.0
MATH295	Differential Equations	3.0
PHYS250C	Physics for Scientists and Engineers III	5.0
<b>TOTAL CREDITS</b>		<b>11.0</b>

## POLITICAL SCIENCE, AA-T

A.A. Degree for Transfer

### Control Number:

31730

The Associate in Arts in Political Science for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree. Successful completion of the transfer degree in Political Science guarantees the student acceptance to a local California State University to pursue a baccalaureate degree and prepares students for law school, teaching, public relations, journalism, government service on the local, state and national levels, and private employment where government institutions are involved.

### Program Courses & Requirements

Political Science, AA-T (Total 18)

**Complete all of the following**

**Major requirements: (Total 3)**

**Complete the following number of credits: 3**

<b>POLT101</b>	American Government and Politics	3
POLT101H	Honors American Government and Politics	3

**Students are required to take the following (List A):**

**Complete all of the following (Total 9)**

**POLT201 - Introduction to Comparative Politics 3**

**POLT220** International Politics 3

POLT230 Political Theory 3

**Select two (2) courses from the following (List B):**

**Complete the following number of credits: (Total 6)**

<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology	3
ECON101	Principles/Micro	3
ECON102	Principles/Macro	3
HIST101	World Civilizations to the 16th Century	3
HIST101H	Honors World Civilizations to the 16th Century	3
POLT221	Women in American Politics	3
SOC100	Introduction to Sociology	3
SOC100H	Honors Introduction to Sociology	3



## PRE-NURSING AND ALLIED HEALTH SCIENCE, AS

A.S. Degree Major

### Control Number:

41770

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 Courses & Requirements

Pre-Nursing and Allied Health Science, AS (Total 27-28.5)

#### Complete all of the following

#### CHEMISTRY (TOTAL 4 - 5)

Complete the following number of credits: **4-5**

<b>CHEM100</b>	Introductory Chemistry	4
CHEM200A	General Chemistry A	5
CHEM200AH	Honors General Chemistry A	5

#### BIOLOGY (TOTAL 13)

Complete the following number of credits: **13**

<b>BIOL229</b>	General Microbiology	5
BIOL239	General Human Anatomy	4
BIOL249	Human Physiology	4

#### FRESHMAN COMPOSITION (TOTAL 4-4.5)

Complete the following number of credits: **4-4.5**

<b>ENGL101</b>	Freshman Composition	4
<b>ENGL101H</b>	Honors Freshman Composition	4
ENGL100	Freshman Composition with Integrated Support	4.5

#### PSYCHOLOGY (TOTAL 3)

Complete the following number of credits: **3**

<b>PSYC100</b>	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3

#### SOCIOLOGY (TOTAL 3)

Complete the following number of credits: **3**

<b>SOCI100</b>	Introduction to Sociology	3
SOC100H	Honors Introduction to Sociology	3
SOC115	Death and Dying	3

### Recommended Sequence

Pre-Nursing and Allied Health Science, AS

**1st semester** **Credits**

#### CHEMISTRY

Take one of the following:

<b>CHEM100</b>	Introductory Chemistry	4.0
CHEM200A	General Chemistry A	5.0
CHEM200AH	Honors General Chemistry A	5.0

#### FRESHMAN COMPOSITION

Take one of the following:

<b>ENGL101</b>	Freshman Composition	4.0
ENGL101H	Honors Freshman Composition	4.0
ENGL100	Freshman Composition with Integrated Support	4.5

#### TOTAL CREDITS

**8.0-9.5**

**2nd semester** **Credits**

#### BIOLOGY

<b>BIOL239</b>	General Human Anatomy	4.0
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#### PSYCHOLOGY

Take one of the following:

<b>PSYC100</b>	Introduction to Psychology	3.0
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PSYC100H	Honors Introduction to Psychology	3.0
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#### TOTAL CREDITS

**7.0**

#### 3rd semester

**Credits**

#### Biology

<b>BIOL249</b>	Human Physiology	4.0
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#### SOCIOLOGY

Take one of the following:

<b>SOCI100</b>	Introduction to Sociology	3.0
SOC100H	Honors Introduction to Sociology	3.0
SOC115	Death and Dying	3.0

#### TOTAL CREDITS

**7.0**

#### 4th semester

**Credits**

#### BIOLOGY

<b>BIOL229</b>	General Microbiology	5.0
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#### TOTAL CREDITS

**5.0**

## PRESCHOOL, CERT

Certificate of Proficiency

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 Courses & Requirements

Preschool, CERT (Total 15)

Complete the following number of credits: **15**

<b>CDEV107</b>	Child Growth and Development (DS1)	3
CDEV108	Observation and Assessment for Early Learning and Development (DS3)	3
CDEV110	Child, Family and Community (DS2)	3
CDEV111A	Principles and Practices of Teaching Young Children	3
CDEV111B	Introduction to Curriculum for Young Children	3

## PSYCHOLOGY, AA-T

A.A. Degree for Transfer

### Control Number:

31041

The Associate in Arts in Psychology for Transfer degree prepares students to transfer to a four-year institution leading to a baccalaureate degree for specialization in any of more than twenty branches of psychology including: child, clinical, personality, vocational, marriage and family counseling, industrial, mental health, and college teaching. Completion of the two-year program is appropriate for students whose vocational plans include helping people, i.e., teaching, social welfare, probation, criminology, nursing, law, and personnel work. Successful completion of the transfer degree in Psychology guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Psychology or a related field.

### Program Courses & Requirements

Psychology, AA-T (Total 20-21)

Complete all of the following

Major requirements: (Total 11)

Complete all of the following (Total 4)

<b>PSYC220</b>	Introduction to Research Methods in Psychology	4
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Complete the following number of credits: **4**

<b>MATH219</b>	Statistics and Probability	4
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MATH219H	Honors Statistics and Probability	4
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MATH220	Statistics and Probability with Integrated Review	4
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**Complete the following number of credits: (Total 3)**

<b>PSYC100</b>	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3

**LIST A: (TOTAL 3)**

**Complete the following number of credits: 3**

<b>BIOL109</b>	Fundamentals of Biology 3	
BIOL109H	Honors Fundamentals of Biology 3	
PSYC200	Introduction to Biological Psychology 3	

**LIST B: (TOTAL 3)**

**Complete the following number of credits: 3**

Any course from LIST A not already used. May not be a course used to satisfy the requirements in List A. 0

<b>CDEV107</b>	Child Growth and Development (DS1)	3
PSYC157	Introduction to Child Psychology	3
PSYC240	Introduction to Social Psychology	3
SOC240	Introduction to Social Psychology	3

**Student may only earn credit for CDEV 107 or PSYC 157. 0**

**Student may only earn credit for PSYC 240 or SOC 240. 0**

**LIST C: (TOTAL 3-4)**

**Complete the following number of credits: 3-4**

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. 0

<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology	3
ANTH101	Introduction to Physical Anthropology	3
PHIL110	Critical Thinking	3
PHIL111	Introductory Logic	4
PSYC160	Introduction to Lifespan Psychology	4
PSYC170	Multicultural Psychology	3
PSYC180	Psychology of Gender	3
PSYC230	Psychology and Effective Behavior	3
PSYC250	Introduction to Abnormal Psychology	3
PSYC190	Psychology of Human Sexuality	3
SOC100	Introduction to Sociology	3
SOC100H	Honors Introduction to Sociology	3

**PUBLIC ADMINISTRATION AND POLICY, CERT**

Certificate of Proficiency

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 Courses & Requirements**

Public Administration and Policy, CERT (Total 15)

**Complete all of the following**

**Certificate Requirements: (Total 12)**

**Complete the following number of credits: 12**

<b>PBLC150</b>	Introduction to Public Administration	3
PBLC151	Ethics and Professionalism: The High Calling of Public Service	3
PBLC152	Preparing for Supervision Public Sector	3
PBLC155	The Art of Politics and Policymaking	3

**Select one (1) course from following: (Total 3)**

**Complete the following number of credits: 3**

<b>PBLC153</b>	Public Sector Budgeting Fundamentals	3
PBLC154	Public Sector Human Resources Fundamentals	3

**PUBLIC ADMINISTRATION, AS**

A.S. Degree Major

**Control Number:**

42990

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 Courses & Requirements** Public Administration, AS (Total 18)

**Complete the following number of credits: 18**

<b>PBLC150</b>	Introduction to Public Administration	3
PBLC151	Ethics and Professionalism: The High Calling of Public Service	3
PBLC152	Preparing for Supervision Public Sector	3
PBLC153	Public Sector Budgeting Fundamentals	3
PBLC154	Public Sector Human Resources Fundamentals	3
PBLC155	The Art of Politics and Policymaking	3

**PUBLIC ADMINISTRATION, CA**

Certificate of Achievement

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 Courses & Requirements**

Public Administration, CA (Total 18)

**Complete the following number of credits: 18**

<b>PBLC150</b>	Introduction to Public Administration	3
PBLC151	Ethics and Professionalism: The High Calling of Public Service	3
PBLC152	Preparing for Supervision Public Sector	3
PBLC153	Public Sector Budgeting Fundamentals	3
PBLC154	Public Sector Human Resources Fundamentals	3
PBLC155	The Art of Politics and Policymaking	3





## PUBLIC WORKS, CERT

Certificate of Proficiency

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 Courses & Requirements

Public Works, CERT (Total 10-15)

**Complete the following number of credits:** **10-15**

#### Certificate Requirements 6

<b>PBLC050</b>	Fundamentals of Public Works	3
PBLC061	Plan Interpretation and Cost Estimating	3
<b>Select one (1) course from the following:</b>		<b>3</b>
<b>PBLC070</b>	Construction Inspection	3
PBLC074	Contract Administration	3
PBLC080	Principles of Project Management	3
PBLC063	Construction Materials and Testing	3
PBLC051	Infrastructure Construction and Maintenance	3
PBLC110	Introduction to Microsoft Project	3
<b>Select one (1) course from the following:</b>		<b>1-6</b>
<b>PBLC199</b>	Cooperative Work Experience Education	1-4
PBLC069	Green Infrastructure Construction	3
PBLC068	Fundamentals of Storm Water Management	3
PBLC067	Environmental Management	3
PBLC152	Preparing for Supervision Public Sector	3
PBLC153	Public Sector Budgeting Fundamentals	3

## Real Estate

### REAL ESTATE SOFT SKILLS

#### RE098:1.0 Units

Students will enhance basic soft skills, workplace skills, interpersonal skills, communication skills, and leadership skills.

#### Requisites:

None

### REAL ESTATE PRINCIPLES

#### RE102: 3.0 Units

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.

#### Requisites:

None

### LEGAL ASPECTS OF REAL ESTATE

#### RE103: 3.0 Units

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.

#### Requisites:

None

### REAL ESTATE PRACTICE

#### RE105: 3.0 Units

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.

#### Requisites:

None

### REAL ESTATE FINANCE

#### RE106: 3.0 Units

Analysis of real estate financing. Covers the mortgage market, lenders, conventional and government-backed loans, processing and closing loans. Applies towards the partial fulfillment for the educational requirements for (1) California real estate salesperson license and (2) California real estate broker license.

#### Requisites:

None

### REAL ESTATE ECONOMICS

#### RE110: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

- Private Institution Comparable Transfer Courses

### REAL PROPERTY MANAGEMENT

#### RE112: 3.0 Units

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.

#### Requisites:

None

### APPRAISAL PRINCIPLES AND PROCEDURES

#### RE114: 3.5 Units

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.

#### Requisites:

None



## RESIDENTIAL REAL ESTATE APPRAISAL

### RE116: 3.5 Units

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.

#### Requisites:

None

## RESIDENTIAL REPORT WRITING AND CASE STUDIES

### RE117: 1.0 Units

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.

#### Requisites:

None

## FUNDAMENTALS OF ESCROW

### RE151: 3.0 Units

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).

#### Requisites:

None

## REAL ESTATE LICENSE PREPARATION

### RE153: 3.0 Units

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)

#### Requisites:

##### Prerequisite

RE102 Real Estate Principles

##### OR

##### Prerequisite

RE105 Real Estate Practice

## REAL ESTATE SOFT SKILLS

### RE160: 1.0 Units

Students will enhance basic soft skills, workplace skills, interpersonal skills, communication skills, and leadership skills.

#### Requisites:

None

## REAL ESTATE COOPERATIVE WORK EXPERIENCE/CAREER INTERNSHIP

### RE171: 5.5 Units

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. One to four units of Real Estate Cooperative Work Experience/Career Internship require 60-240 non-paid hours of work or 75-300 paid hours of work per semester. Open Entry/Open Exit

#### Requisites:

##### Advisory

RE102 Real Estate Principles

##### AND

##### Advisory

RE105 Real Estate Practice

## Reading

### INTRODUCTION TO ACADEMIC READING

#### READ101: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area G2: Reading Proficiency

### ACADEMIC READING

#### READ102: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G2: Reading Proficiency

##### Local - Plan D

- Area F2 - Reading Proficiency

### EXPANDING ESL READING SKILLS

#### READ128: 1.0 Units

This course is designed to help students approach intermediate-level reading materials in their ACE/ESL courses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for American College English (ACE) courses, including: ACE 052 and ACE 053.

#### Requisites:

##### Advisory

ACE052 Expanding Academic Writing and Reading

Students are advised to concurrently enrolled in American College English 052

##### OR

##### Advisory

Qualifying profile from the placement process.



**REFINING ESL READING SKILLS**

**READ129: 1.0 Units**

This course is designed to help students approach low-advanced reading materials in their content area courses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for American College English (ACE) courses, including: ACE 093 and ACE 102.

**Requisites:**

**Advisory**

**ACE102** Refining Academic Writing and Reading  
Students are advised to concurrently enroll in American College English 102.

**OR**

**Advisory**

Qualifying profile from the placement process.

**READING STRATEGIES FOR ACROSS THE CURRICULUM**

**READ130: 1.0 Units**

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.

**Requisites:**

**Advisory**

Students should be concurrently enrolled in another discipline course.

**READING IN APPRENTICESHIP**

**READ131: 1.0 Units**

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.

**Requisites:**

**Advisory**

Students should be concurrently enrolled in an SCC Apprenticeship course

**READING IN CAREER EDUCATION**

**READ132: 1.0 Units**

This course is designed to help students approach challenging and varied reading tasks on topics related to Career Education courses by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in Career Education (CE), which includes: American Sign Language, Biotechnology, Business and Computer Related Programs, Careers in Education, Child Development, Code Enforcement, Criminal Justice, Digital Media Arts, Graphic Design, Gemology, Public Works, Real Estate, Survey/ Mapping Sciences, TV/Video Communications, and Water Utility Science.

**Requisites:**

**Advisory**

Students should be concurrently enrolled in an SCC Career Education (CE) course.

**READING IN THE SOCIAL SCIENCES**

**READ134: 1.0 Units**

This course is designed to help students approach challenging and varied reading tasks on topics related to Social Science areas by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in Cultural, Behavioral, and Social Sciences, which includes: Anthropology, Chicano Studies, Economics, Ethnic Studies, Gender Sexuality, and Women's Studies, Geography, History, Global Studies, International Development, Political Science, Psychology, and Sociology.

**Requisites:**

**Advisory**

Students should be concurrently enrolled in an SCC Cultural, Behavioral, or Social Science course.

**READING IN STEM**

**READ136: 1.0 Units**

This course is designed to help students approach challenging and varied reading tasks on topics related to STEM areas by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in Science, Technology, Engineering, and Mathematics (STEM), which includes: Anatomy, Astronomy, Biology, Chemistry, Environmental Science, Geology/Earth Science, Kinesiology, Microbiology, Nutrition and Dietetics, Oceanography, Physics, and Computer Science; Aerospace, Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geomatics, Industrial, and Mechanical Engineering; Algebra, Calculus, Liberal Arts Math, Statistics and Probability, and Trigonometry.

**Requisites:**

**Advisory**

Students should be concurrently enrolled in an SCC STEM course.

**READING IN THE HUMANITIES**

**READ138: 1.0 Units**

This course is designed to help students approach challenging and varied reading tasks on topics related to the Humanities areas by introducing several effective reading strategies, such as those from the Reading Apprenticeship Project. This is a support course for discipline-specific courses in the Humanities, which includes: Art, Communication, English, Literature, Modern Languages, Performing Arts, and Philosophy.

**Requisites:**

**Advisory**

Students should be concurrently enrolled in an SCC Humanities course.



## CRITICAL READING

### READ150: 3.0 Units

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.

#### Requisites:

##### Advisory

**ENGL101** Freshman Composition  
Previous or concurrent enrollment in English 101

##### OR

##### Advisory

**ENGL101H** Honors Freshman Composition  
Previous or concurrent enrollment in English 101 H

##### OR

##### Advisory

**ENGL100** Freshman Composition with Integrated Support  
Previous or concurrent enrollment in English 100

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G2: Reading Proficiency

##### CSU GE - Plan B

- Area A3: Critical Thinking

##### Local - Plan D

- Area A2 - Critical Thinking/Composition
- Area F2 - Reading Proficiency

## CRITICAL READING AND ANALYSIS

### READ151: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**ENGL100** Freshman Composition with Integrated Support

##### OR

##### Prerequisite

**ENGL101** Freshman Composition

##### OR

##### Prerequisite

**ENGL101H** Honors Freshman Composition

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G2: Reading Proficiency

##### CSU GE - Plan B

- Area A3: Critical Thinking

##### IGETC - Plan C

- Area 1B: Critical Thinking/Composition

##### Local - Plan D

- Area A2 - Critical Thinking/Composition
- Area F2 - Reading Proficiency

## REAL ESTATE APPRAISAL, CERT

Certificate of Proficiency

The Certificate of Proficiency in Real Estate Appraisal is designed for individuals interested in a career in real estate appraisal of both residential and commercial property. The program is intended to prepare students for the California real estate appraiser license exam, certified residential exam and certified general exam. As well it provides coursework for real estate professionals.

#### Program Courses & Requirements

Real Estate Appraisal, CERT (Total 14)

**Complete the following number of credits: 14**

#### Core Requirements: (Total 11)

Complete all of the following

<b>RE102</b>	Real Estate Principles	3
RE114	Appraisal Principles and Procedures	3.5
RE116	Residential Real Estate Appraisal	3.5
RE117	Residential Report Writing and Case Studies	1

#### Select one (1) of the following: (Total 3)

Complete the following number of credits: 3

<b>RE103</b>	Legal Aspects of Real Estate	3
RE110	Real Estate Economics	3

## REAL ESTATE SALESPERSON, CERT

Certificate of Proficiency

#### Control Number:

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 Courses & Requirements

Real Estate Salesperson, CERT (Total 13.5)

**Complete the following number of credits: 13.5**

#### Core Requirements: (Total 10.5)

Complete all of the following

<b>RE102</b>	Real Estate Principles	3
RE105	Real Estate Practice	3
RE114	Appraisal Principles and Procedures	3.5
RE160	Real Estate Soft Skills	1

#### Select one (1) course from the following: (Total 3)

Complete the following number of credits: 3

<b>RE103</b>	Legal Aspects of Real Estate	3
RE106	Real Estate Finance	3
RE110	Real Estate Economics	3
RE112	Real Property Management	3
RE151	Fundamentals of Escrow	3



## REAL ESTATE, AS

A.S. Degree Major

### Control Number:

11869

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 Courses & Requirements

Real Estate, AS (Total 22.5-25.5)

#### Complete all of the following

#### Major requirements: (Total 21.5)

Complete the following number of credits: **21.5**

<b>RE102</b>	Real Estate Principles	3
RE103	Legal Aspects of Real Estate	3
RE105	Real Estate Practice	3
<b>RE106</b>	Real Estate Finance	3
RE112	Real Property Management	3
RE114	Appraisal Principles and Procedures	3.5
RE151	Fundamentals of Escrow	3

#### Select one (1) course from the following: (Total 1-4)

Complete the following number of credits: **1-4**

<b>ACCT100</b>	Accounting for Small Business	3
ACCT101	Financial Accounting	4
RE110	Real Estate Economics	3
RE116	Residential Real Estate Appraisal	3.5
RE117	Residential Report Writing and Case Studies	1
RE153	Real Estate License Preparation	3
RE160	Real Estate Soft Skills	1

## REAL ESTATE, CA

Certificate of Achievement

### Control Number:

21639

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 Courses & Requirements

Real Estate, CA (Total 22.5-25.5)

#### Complete all of the following

#### Certificate requirements: (Total 21.5)

Complete the following number of credits: **21.5**

<b>RE102</b>	Real Estate Principles	3
RE103	Legal Aspects of Real Estate	3
RE105	Real Estate Practice	3
RE106	Real Estate Finance	3
RE110	Real Estate Economics	3
RE112	Real Property Management	3
RE114	Appraisal Principles and Procedures	3.5

#### Select one (1) course from the following: (Total 1-4)

Complete the following number of credits: **1-4**

<b>ACCT101</b>	Financial Accounting	4
RE116	Residential Real Estate Appraisal	3.5
RE117	Residential Report Writing and Case Studies	1
ACCT100	Accounting for Small Business	3
RE151	Fundamentals of Escrow	3

## RECEPTIONIST/INFORMATION CLERK, CC

Certificate of Completion

### Control Number:

30985

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 Courses & Requirements

Receptionist/Information Clerk, CC (Total 120)

Complete the following number of credits: **120**

<b>VBUS121</b>	Introduction to Computer Software Applications	60
WKPR500	Workforce Readiness	60

## HEALTH AND SAFETY AWARENESS AND APPLICATION

### SAFE200: 30.0 Hours

Provides information and a discussion forum related to current and relevant health and safety topics, issues, and/or concerns. Students will use teamwork, research techniques, decision making, and communication skills to enhance learning. Open Entry/Open Exit.

#### Requisites:

None

## EMERGENCY PLANNING & SAFETY

### SAFE850: 30.0 Hours

Adheres to emergency planning and safety guidelines of appropriate federal, state and county authorities, specifically as they apply to the state of California. This course includes basic guidelines for dealing with emergency situations and handling safety issues arising from natural or man-made causes such as earthquakes, brush fires, home/building fires, freeway travel safety, floods and landslides. Open Entry/Open Exit.

#### Requisites:

None

## HEALTH ISSUES & CONCEPTS

### SAFE877: 72.0 Hours

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.

#### Requisites:

None

## SUBSTANCE ABUSE

### SAFE898: 18.0 Hours

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.

#### Requisites:

None



# Sociology

## INTRODUCTION TO SOCIOLOGY

### SOCI00: 3.0 Units

The scientific study of human societies and behavior focusing on the process of 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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Sociology

## HONORS INTRODUCTION TO SOCIOLOGY

### SOCI00H: 3.0 Units

A seminar-style, content enriched course to provide a critical and extensive exploration of the sociological perspective, methods, and theories of social interaction, stability and change. Focuses on the importance of sociology for understanding individuals in a social context and provides a comprehensive understanding of and scientific way of thinking about society. Field trips may be required.

#### Requisites:

##### Prerequisite

A high school or college GPA of 3.0 or above

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Sociology

## DEATH AND DYING

### SOCI15: 3.0 Units

This course includes various perspectives on death, both cross-cultural and historical. Examines beliefs, traditions, rituals and practices surrounding death in American society; 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.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences
- Area E1: Lifelong Learning

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

## SOCIAL PROBLEMS

### SOCI16: 3.0 Units

An extensive survey of contemporary social trends and problems through sociological analysis concentrating on their causes, complexities, consequences, and possible solutions. Special emphasis will be placed on the problems in the U.S., with consideration of the global perspective. Field trips may be required.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Sociology



## INTRODUCTION TO SOCIOLOGICAL RESEARCH METHODS

### SOCI20: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**SOCI100** Introduction to Sociology

##### OR

##### Prerequisite

**SOCI100H** Honors Introduction to Sociology

##### AND

##### Advisory

**MATH219** Statistics and Probability

##### OR

##### Advisory

**MATH219H** Honors Statistics and Probability

##### OR

##### Advisory

**MATH220** Statistics and Probability with Integrated Review

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Sociology

## INTRODUCTION TO STATISTICS IN SOCIOLOGY

### SOCI25: 3.0 Units

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

#### Requisites:

##### Prerequisite

**MATH080** Intermediate Algebra

or qualifying profile from the Mathematics placement process

##### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

or qualifying profile from the Mathematics placement process

##### OR

##### Prerequisite

**MATH086** Intermediate Algebra for Statistics and Liberal Arts

or qualifying profile from the Mathematics placement process

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

##### CSU GE - Plan B

- Area B4: Mathematics/Quantitative Reasoning

##### IGETC - Plan C

- Area 2A: Mathematical Concepts and Quantitative Reasoning
- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Sociology

##### Local - Plan D

- Area B - Mathematics and Quantitative Reasoning



## HONORS INTRODUCTION TO STATISTICS IN SOCIOLOGY

### SOCI25H: 3.0 Units

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.

#### Requisites:

##### Prerequisite

A high school or college GPA of 3.0 or above

#### AND

##### Prerequisite

**MATH080** Intermediate Algebra

or qualifying profile from the Mathematics placement process

#### OR

##### Prerequisite

**MATH085** Intermediate Algebra with Integrated Support

or qualifying profile from the Mathematics placement process

#### OR

##### Prerequisite

**MATH086** Intermediate Algebra for Statistics and Liberal Arts

or qualifying profile from the Mathematics placement process

#### General Education Plan:

##### Local - Plan A

- Area E2: Communication/Analytical Thinking
- Area G1: Mathematics Proficiency

##### CSU GE - Plan B

- Area B4: Mathematics/Quantitative Reasoning

##### IGETC - Plan C

- Area 2A: Mathematical Concepts and Quantitative Reasoning
- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Sociology

##### Local - Plan D

- Area B - Mathematics and Quantitative Reasoning

## RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS

### SOCI30: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area D: Social Sciences
- Area E1: Lifelong Learning

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Sociology

## INTRODUCTION TO RACE AND ETHNICITY

### SOCI50: 3.0 Units

This course focuses on the application of sociological theories and concepts to the study of race, ethnicity, and racism within an intersectional context. It includes an examination of the cultural, political, historical, and economic practices and institutions that construct, perpetuate, or challenge racism, racialized inequalities, and interactive dynamics within and between various racial and ethnic groups. Special attention will be extended to the impacts of globalization, immigration, miscegenation, identity formation, and strategies to combat and decrease prejudice and discrimination.

#### Requisites:

##### Advisory

**SOCI100** Introduction to Sociology

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

##### Course Identifier (C-ID)

- Sociology





## INTRODUCTION TO GENDER AND SEXUALITIES

### SOC220: 3.0 Units

This course applies sociological theory and method to the study of gender and sexuality in 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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area B2: Social and Behavioral Sciences: Social Science Elective
- Area F1: Lifelong Understanding and Self-Development

##### CSU GE - Plan B

- Area D: Social Sciences
- Area E1: Lifelong Learning

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### Course Identifier (C-ID)

- Sociology

## INTRODUCTION TO SOCIAL PSYCHOLOGY

### SOC240: 3.0 Units

An exploration of the interlocking dynamics of the individual & society, and sociology. 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.)

#### Requisites:

##### Anti-Requisite

**PSYC240** Introduction to Social Psychology

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Psychology

## Spanish

### HONORS INTRODUCTION TO SOCIAL PSYCHOLOGY

#### SOC240H: 3.0 Units

An exploration of the interlocking dynamics of the individual & society, and sociology. 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.)

#### Requisites:

##### Prerequisite

A high school or college GPA of 3.0 or above

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

##### IGETC - Plan C

- Area 4: Social and Behavioral Sciences

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Psychology

## ELEMENTARY SPANISH I

### SPAN101: 5.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 6A: Language Other than English

#### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Spanish

#### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities



## ELEMENTARY SPANISH IA

### SPAN101A: 2.5 Units

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.

#### Requisites:

None

#### General Education Plan:

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

#### Course Identifier (C-ID)

- Spanish

#### Local - Plan D

- Area C2 - Humanities

## ELEMENTARY SPANISH IB

### SPAN101B: 2.5 Units

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.

#### Requisites:

##### Prerequisite

**SPAN101A** Elementary Spanish IA

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 6A: Language Other than English

#### Course Identifier (C-ID)

- Spanish

#### Local - Plan D

- Area C2 - Humanities

## HONORS ELEMENTARY SPANISH I

### SPAN101H: 5.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- A high school or college GPA of 3.0 or above.

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 6A: Language Other than English

#### Course Identifier (C-ID)

- Spanish

#### Santa Ana College - Shared Course

- Shared Course with SAC

#### Local - Plan D

- Area C2 - Humanities



**ELEMENTARY SPANISH II**

**SPAN102: 5.0 Units**

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.

**Requisites:**

**Prerequisite**

**SPAN101** Elementary Spanish I

**OR**

**Prerequisite**

**SPAN101H** Honors Elementary Spanish I

**OR**

**Prerequisite**

**SPAN101A** Elementary Spanish IA

**AND**

**Prerequisite**

**SPAN101B** Elementary Spanish IB

**OR**

**Prerequisite**

Two years of high school Spanish.

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities
- Area 6A: Language Other than English

**Course Identifier (C-ID)**

- Spanish

**Local - Plan D**

- Area C2 - Humanities

**SPANISH FOR SPANISH SPEAKERS I**

**SPAN110: 5.0 Units**

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.

**Requisites:**

None

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 6A: Language Other than English

**Course Identifier (C-ID)**

- Spanish

**SPANISH FOR SPANISH SPEAKERS 2**

**SPAN111: 5.0 Units**

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.

**Requisites:**

**Prerequisite**

**SPAN110** Spanish for Spanish Speakers

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English) Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities
- Area 6A: Language Other than English

**Course Identifier (C-ID)**

- Spanish

**PRACTICAL COMMUNICATION IN SPANISH FOR TEACHERS**

**SPAN115: 2.0 Units**

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.

**Requisites:**

**Advisory**

**SPAN101** Elementary Spanish I

**OR**

**Advisory**

**SPAN101H** Honors Elementary Spanish I

**OR**

**Advisory**

**SPAN101B** Elementary Spanish IB

**General Education Plan:**



## BEGINNING CONVERSATIONAL SPANISH

### SPAN194: 3.0 Units

Development of conversational and composition skills. Review of language structure through discussions, conversations, readings, and compositions dealing with Spanish speakers' culture and current events.

#### Requisites:

##### Prerequisite

**SPAN101** Elementary Spanish I

or Spanish 101B or two years of high school Spanish

##### OR

##### Prerequisite

**SPAN101H** Honors Elementary Spanish I

or Spanish 101B or two years of high school Spanish.

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### Local - Plan D

- Area C2 - Humanities

## ADVANCED CONVERSATIONAL SPANISH

### SPAN195A: 3.0 Units

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.

#### Requisites:

##### Prerequisite

**SPAN102** Elementary Spanish II

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## ADVANCED CONVERSATIONAL SPANISH

### SPAN195B: 3.0 Units

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.

#### Fees:

Teacher's handouts

#### Requisites:

##### Prerequisite

**SPAN195A** Advanced Conversational Spanish

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities

##### Santa Ana College - Shared Course

- Shared Course with SAC

##### Local - Plan D

- Area C2 - Humanities

## INTERMEDIATE SPANISH I

### SPAN201: 5.0 Units

A college-level Spanish class focusing on expansive review of usage and grammar, discussions of interpretive readings, conversation, and composition.

#### Requisites:

##### Prerequisite

**SPAN102** Elementary Spanish II

or three years of high school Spanish

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3B: Humanities
- Area 6A: Language Other than English

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses

#### Course Identifier (C-ID)

- Spanish

##### Local - Plan D

- Area C2 - Humanities



## INTERMEDIATE SPANISH II

### SPAN202: 5.0 Units

A college-level Spanish class focusing on a specialized review of grammar and composition, discussions in Spanish of history and culture based on literary materials.

**Requisites:**

**Prerequisite**

**SPAN201** Intermediate Spanish I  
or four years of high school Spanish

**General Education Plan:**

**Local - Plan A**

- Area C: Humanities

**CSU GE - Plan B**

- Area C2: Humanities (Literature, Philosophy, Languages, Other than English)Arts (Art, Cinema, Dance, Music, Theatre)

**IGETC - Plan C**

- Area 3B: Humanities
- Area 6A: Language Other than English

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Spanish

**Local - Plan D**

- Area C2 - Humanities

## COLLEGE SPANISH COMPOSITION

### SPAN213: 3.0 Units

Comprehensive review and application of Spanish grammar and emphasis on the development of writing based on discussions, cultural, and literary materials.

**Requisites:**

**Prerequisite**

**SPAN110** Spanish for Spanish Speakers I  
Previous or concurrent enrollment or three years of high school Spanish

**OR**

**Prerequisite**

**SPAN201** Intermediate Spanish I  
Previous or concurrent enrollment or three years of high school Spanish

**General Education Plan:**

**Santa Ana College - Shared Course**

- Shared Course with SAC

**Local - Plan D**

- Area C2 - Humanities

## SPANISH FOR PUBLIC PERSONNEL

### SPAN51: 3.0 Units

Designed for those needing basic Spanish conversation and vocabulary in a specific field of work, such as law enforcement, fire safety, health, and education. Includes clear and concise communication for emergency situations. Not applicable to associate degree.

**Requisites:**

None

## ISSUES AND CONCEPTS FOR ADULTS WITH DEVELOPMENTAL DISABILITIES

### SSD200: 100.0 Hours

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.

**Requisites:**

None

## EMPLOYMENT PREPARATION FOR ADULTS WITH DEVELOPMENTAL DISABILITIES

### SSD787: 100.0 Hours

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.

**Requisites:**

None

## INDEPENDENT LIVING SKILLS FOR ADULTS WITH DEVELOPMENTAL DISABILITIES

### SSD788: 100.0 Hours

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.

**Requisites:**

None

## PHYSICAL ACTIVITIES FOR ADULTS WITH DEVELOPMENTAL DISABILITIES

### SSD793: 100.0 Hours

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.

**Requisites:**

None

# Surveying

## PLANE SURVEYING

### SURV118: 4.0 Units

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.

**Requisites:**

**Advisory**

**MATH160** Trigonometry

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**Course Identifier (C-ID)**

- Engineering



## ADVANCED PLANE SURVEYING

### SURV119: 4.0 Units

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.

#### Requisites:

##### Prerequisite

**SURV118** Plane Surveying or possession of a valid Certificate as a Land Surveyor-In-Training (LSIT) issued by any state

##### AND

##### Advisory

**MATH160** Trigonometry

#### General Education Plan:

##### Course Identifier (C-ID)

- Engineering

## INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

### SURV155: 3.0 Units

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.

#### Requisites:

##### Anti-Requisite

**GEOG155** Introduction to Geographic Information Systems

##### AND

##### Advisory

Familiarity with PC and Windows operating environment

#### General Education Plan:

##### CSU GE - Plan B

- Area D: Social Sciences

##### Course Identifier (C-ID)

- Geography

## COMPUTER AIDED DRAFTING FUNDAMENTALS FOR SURVEYORS

### SURV205: 3.0 Units

A first course in computer drafting with applications in land surveying specifically intended for students with land surveying training or experience.

#### Requisites:

##### Advisory

**SURV119** Advanced Plane Surveying

#### General Education Plan:

## ADVANCED PROBLEMS IN SURVEYING I

### SURV221: 3.0 Units

Measurement analysis, adjustments, geodesy, state plane coordinates, global position system.

#### Requisites:

##### Advisory

**MATH160** Trigonometry

##### AND

##### Advisory

**SURV119** Advanced Plane Surveying

## ADVANCED PROBLEMS IN SURVEYING II

### SURV222: 3.0 Units

Introduction to photogrammetry emphasizing concepts and calculations. Route surveying includes horizontal and vertical curves, volume calculations and construction staking.

#### Requisites:

##### Advisory

**MATH160** Trigonometry

##### AND

##### Advisory

**SURV119** Advanced Plane Surveying

##### AND

##### Advisory

**SURV221** Advanced Problems in Surveying I

## LEGAL ASPECTS OF LAND SURVEYING I

### SURV229: 3.0 Units

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.

#### Requisites:

None

## LEGAL ASPECTS OF LAND SURVEYING II

### SURV230: 3.0 Units

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.

#### Requisites:

##### Advisory

**SURV229** Legal Aspects of Land Surveying I

#### General Education Plan:

## SECONDARY EDUCATION, COM

Certificate of Competency

#### Control Number:

36914

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 Courses & Requirements

Secondary Education, COM (Total 2304)



**Complete all of the following**

**Certificates Requirements: 2,304 hours (credits are in hours) 0**

**ENGLISH:**

576 hours. Required courses: Must include one (1) of the following composition courses: (Total 72)

**Complete the following number of credits: 72**

<b>HSENG083</b>	Composition 1	72
HSENG084	Composition 2	72
HSENG085	Composition 3	72
HSENG086	College Preparatory Composition	72

**ELECTIVES:**

**504 hours (credits are in hours) (Total 504)**

**Complete the following number of credits: 504**

<b>HSENG020</b>	Literature Brought to Life	72
HSENG030	AP English 1A	72
<b>HSENG050</b>	English Through Literature 11B	72
HSENG051	English Through Literature 12B	72
HSENG052	English Language Arts 1	72
HSENG053	English Language Arts 2	72
HSENG063	English Through Literature 11A	72
HSENG064	English Through Literature 12A	72
HSENG066	English Fundamentals 2	72
HSENG067	English Fundamentals 3	72
HSENG068	English Fundamentals 4	72
HSENG070	The Short Story	72
HSENG072	Poetry	72
HSENG076	The Novel	72
HSENG098	Building Vocabulary 3	72
HSENG201	Survey of English Level 1	72
HSENG202	Survey of English Level 2	72
HSENG203	Survey of English Level 3	72
HSENG204	Survey of English Level 4	72
HSRDG089	Reading Proficiency Development	72
HSRDG090	Reading Improvement	72
HSRDG093	Building Reading Skills 1	72
<b>HSRDG094</b>	Building Reading Skills 2	0

**NATURAL SCIENCES:**

288 hours. Must include one (1) of the following biological science courses: (Total 72)

**Complete the following number of credits: 72**

<b>HSSCI168</b>	Life Science 1	72
HSSCI169	Life Science 2	72
HSSCI193	Basic Science 2	72

**Must include one (1) of the following physical science courses: 72 hours (credits are in hours) (Total 72)**

**Complete the following number of credits: 72**

<b>HSSCI100</b>	Chemistry 1B	72
HSSCI184	Chemistry 1A	72
HSSCI190	Physical Science 1	72
HSSCI191	Physical Science 2	72
HSSCI192	Basic Science 1	72

**ELECTIVES**

**144 hours (credits are in hours) (Total 144)**

**Complete the following number of credits: 144**

<b>HSSCI182</b>	Physiology 1A	72
HSSCI183	Physiology 1B	72
HSSCI196	Health Science	72

**SOCIAL AND BEHAVIORAL SCIENCES:**

432 hours. Must include both of the following US History courses: (Total 144)

**Complete the following number of credits: 144**

<b>HSSOC218</b>	U.S. History 1: Colonization to Industrialization	72
HSSOC219	U.S. History 2: The Shaping of Modern America	72

**Must include both of the following courses: 144 hours (credits are in hours) (Total 144)**

**Complete the following number of credits: 144**

<b>HSSOC215</b>	Introduction to Economics	72
<b>HSSOC222</b>	Government 1: United States Federal Government and Politics	72

**Must include both of the following World History courses: 144 hours (credits are in hours) (Total 144)**

**Complete the following number of credits: 144**

<b>HSSOC229</b>	World History, Geography, and Culture 1	72	<b>HSSOC230</b>	World History, Geography, and Culture 2	72
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**ELECTIVES**

(credits are in hours) (Total 0)

**Complete the following number of credits: 0**

<b>HSSOC216</b>	World Cultures 1A	72
HSSOC217	World Cultures 1B	72

**HUMANITIES:**

144 hours (credits are in hours) (Total 144)

**Complete the following number of credits: 144**

<b>HSART020</b>	Literature Brought to Life	72
HSART070	Short Stories	72
HSART828	Understanding America Through Art	72
HSART837	The Film As Art	72
HSART845	Drawing and Painting 1	72
HSART846	Drawing and Painting 2	72

**MATHEMATICS:**

288 hours (credits are in hours) (Total 288)

**Complete the following number of credits: 288**

<b>MATHCE255</b>	College Preparation Algebra	144
MATHCE206	College Preparation Essential Mathematics	144
HSMTH180	Introduction to Trigonometry 1B	72
HSMTH177	College Preparation Algebra 1B	72
HSMTH176	College Preparation Algebra 1A	72
<b>HSMTH168</b>	Geometry B	72
HSMTH167	Geometry A	72
HSMTH166	Algebra 2B	72
HSMTH165	Algebra 2A	72
HSMTH164	Algebra 1B	72
HSMTH163	Algebra 1A	72
HSMTH161	Introduction to Trigonometry 1A	72
HSMTH159	Math Fundamentals 2	72
HSMTH157	Essential Mathematics 2	72
HSMTH156	Essential Mathematics 1	72
HSMTH155	Pre-Algebra B	72
HSMTH154	Pre-Algebra A	72
HSMTH102	Introduction to Calculus 1B	72
HSMTH101	Introduction to Calculus 1A	72

**ELECTIVE COURSES:**

576 hours (credits are in hours) (Total 576)

**Complete the following number of credits: 576**

<b>ABE023</b>	Adult Basic Education Reading	72
ABE009	Academic Skills	72
ABE024	Adult Basic Education Writing	72
ABE025	Adult Basic Education Mathematics	72
HSOTH050	Basics of Leadership Part 1	36
ABE026	Adult Basic Education Spelling	72



HSOTH202	Basics of Leadership Part 2	36
HSOTH505	Spanish 2A	72
HSOTH510	Spanish 2B	72
HSS338	Workforce Preparation	15
HSS770	Orientation to College	8
HSOTH514	Spanish 4B	72
HSOTH513	Spanish 4A	72

## SECONDARY EDUCATION/GED PREPARATION, CC

Certificate of Completion

**Control Number:**  
24467

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 Courses & Requirements

Secondary Education/GED Preparation, CC (Total 648)

**Complete the following number of credits:** **648**

<b>ABE009</b>	Academic Skills	288
HSGED031	GED Test Preparation	360

## SHELTER DOG TRAINING, CC

Certificate of Completion

**Control Number:**  
33561

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 Courses & Requirements

Shelter Dog Training, CC (Total 48)

**Complete the following number of credits:** **48**

<b>VDOG020</b>	Concepts in Dog Training	12
VDOG030	Practical Dog Training	36

## SOCIAL JUSTICE STUDIES: CHICANO, AA-T

A.A. Degree for Transfer

**Control Number:**  
37132

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 Courses & Requirements

Social Justice Studies: Chicano, AA-T (Total 18)

**Complete all of the following**

**Major requirements: (Total 9)**

**Complete all of the following**

<b>ETHN130</b>	Introduction to Chicano Studies	3
SOC150	Introduction to Race and Ethnicity	3
SOC220	Introduction to Gender and Sexualities	3

**LIST A: (TOTAL 9)**

**Complete the following number of credits:** **9**

**Select three (3) courses from at least two (2) of the following areas: 0**

**AREA 1: HISTORY AND GOVERNMENT (TOTAL 0)**

**Complete the following number of rules:** **0**

<b>HIST118</b>	Social and Cultural History of the United States	3
HIST124	Mexican-American History in the United States 3	

**AREA 2: ARTS AND HUMANITIES (TOTAL 0)**

**Complete the following number of rules:** **0**

<b>ENGL246</b>	Survey of Chicano Literature	3
HIST152	Latin American History	3

**AREA 3: SOCIAL SCIENCE (TOTAL 0)**

**Complete the following number of rules:** **0**

<b>COMM120</b>	Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3
<b>PSYC170</b>	Multicultural Psychology	3

**AREA 4: QUANTITATIVE REASONING AND RESEARCH METHODS (TOTAL 0)**

**Complete the following number of rules:** **0**

<b>SOCI200</b>	Introduction to Sociological Research Methods	3
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**AREA 5: MAJOR PREPARATION (TOTAL 0)**

**Complete the following number of rules: 0**

<b>ETHN101</b>	Introduction to Ethnic Studies 3	
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**SOCIAL JUSTICE STUDIES: ETHNIC, AA-T**

A.A. Degree for Transfer

**Control Number:**

37162

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 Courses & Requirements**

Social Justice Studies: Ethnic, AA-T (Total 18)

**Complete all of the following**

**Major requirements: (Total 9)**

**Complete the following number of credits: 9**

<b>ETHN101</b>	Introduction to Ethnic Studies	3
SOC150	Introduction to Race and Ethnicity	3
<b>SOC220</b>	Introduction to Gender and Sexualities	3

**Select three (3) courses from at least two (2) of the following areas (List A): (Total 9)**

**Complete the following number of credits: 9**

**AREA 1: HISTORY AND GOVERNMENT 0**

<b>HIST118</b>	Social and Cultural History of the United States	3
HIST124	Mexican American History in the United States	3
HIST127	Women in U.S. History	3
POLT221	Women in American Politics	3

**AREA 2: ARTS AND HUMANITIES 0**

<b>ENGL246</b>	Survey of Chicano Literature	3
ENGL278	Survey of Literature by Women	3
HIST152	Latin American History	3
HIST162	Asian Civilizations	3

**AREA 3: SOCIAL SCIENCE 0**

<b>COMM120</b>	Introduction to Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3
HIST240	Introduction to Peace and Conflict Studies	3
PSYC170	Multicultural Psychology	3
PSYC180	Psychology of Gender	3

**AREA 4: QUANTITATIVE REASONING AND RESEARCH METHODS 0**

<b>SOCI120</b>	Introduction to Sociological Research Methods	3
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**AREA 5: MAJOR PREPARATION UNITS (MAY NOT BE A COURSE TO SATISFY THE CORE REQUIREMENTS) 0**

<b>ETHN130</b>	Introduction to Chicano Studies	3
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**SOCIAL JUSTICE STUDIES: GENDER, AA-T**

A.A. Degree for Transfer

**Control Number:**

37133

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 Courses & Requirements**

Social Justice Studies: Gender, AA-T (Total 18)

**Complete all of the following**

Major Requirement: (Total 6)

**Complete all of the following**

<b>SOC150</b>	Introduction to Race and Ethnicity	3
SOC220	Introduction to Gender and Sexualities	3

**CORE: (TOTAL 3)**

**Complete the following number of credits: 3**

<b>ETHN101</b>	Introduction to Ethnic Studies	3
ETHN130	Introduction to Chicano Studies	3
GSWS101	Introduction to Women's Studies	3

**LIST A: (TOTAL 9)**

**Complete the following number of credits: 9**

Select three (3) courses from at least two (2) of the areas. 0

**AREA 1: HISTORY OR GOVERNMENT (TOTAL 0)**

**Complete the following number of credits: 0**

<b>HIST127</b>	Women in U.S. History	3
POLT221	Women in American Politics	3

**AREA 2: ARTS AND HUMANITIES (TOTAL 0)**

**Complete the following number of credits: 0**

<b>ENGL278</b>	Survey of Literature by Women	3
<b>PHIL120</b>	Introduction to Social and Political Philosophy	3

**AREA 3: SOCIAL SCIENCE (TOTAL 0)**

**Complete the following number of credits: 0**

<b>COMM225</b>	Gender Communication	3
COMM225H	Honors Gender Communication	3
PSYC180	Psychology of Gender	3

**AREA 4: QUANTITATIVE REASONING AND RESEARCH METHODS (TOTAL 0)**

**Complete the following number of credits: 0**

<b>SOCI120</b>	Introduction to Sociological Research Methods	3
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**AREA 5: MAJOR PREPARATION (TOTAL 0)**

**Complete the following number of credits: 0**

Any course from CORE list. May not be a course used to satisfy the CORE requirements. 0

<b>GSWS102</b>	Money, Sex, and Power	3
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## SOCIAL JUSTICE STUDIES: GENERAL, AA-T

A.A. Degree for Transfer

### Control Number:

37161

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 Courses & Requirements

Social Justice Studies: General, AA-T (Total 18-19)

#### Complete all of the following

Major Requirements: (Total 18-19)

**Complete the following number of credits: 18-19**

**Complete all of the following (Total 6)**

<b>SOCI150</b>	Introduction to Race and Ethnicity	3
<b>SOC220</b>	Introduction to Gender and Sexualities	3

**Select three (3) courses from at least two (2) of the following areas (List A): (Total 9-10)**

**Complete the following number of credits: 9-10**

**Complete at least one of the following rules (Total 3-6)**

<b>ETHN101</b>	Introduction to Ethnic Studies	3
<b>CHST101</b>	Introduction to Chicano Studies	3

#### AREA 1: HISTORY OR GOVERNMENT (TOTAL 0)

**Complete the following number of credits: 0**

<b>HIST118</b>	Social and Cultural History of the United States	3
<b>HIST124</b>	Mexican-American History in the United States	3
<b>HIST127</b>	Women in U.S. History	3
<b>HIST132</b>	Modern African History 3	
<b>POLT221</b>	Women in American Politics	3

#### AREA 2: ARTS AND HUMANITIES (TOTAL 0)

**Complete the following number of credits: 0**

<b>ENGL246</b>	Survey of Chicano Literature	3
<b>ENGL278</b>	Survey of Literature by Women	3
<b>HIST152</b>	Latin American History	3
<b>HIST162</b>	Asian Civilizations	3
<b>PHIL120</b>	Introduction to Social and Political Philosophy	3

#### AREA 3: SOCIAL SCIENCE (TOTAL 0)

**Complete the following number of credits: 0**

<b>COMM120</b>	Intercultural Communication	3
<b>COMM120H</b>	Honors Introduction to Intercultural Communication	3
<b>COMM225</b>	Gender Communication	3
<b>COMM225H</b>	Honors Gender Communication	3
<b>HIST240</b>	Introduction to Peace and Conflict Studies	3
<b>PSYC170</b>	Multicultural Psychology	3
<b>PSYC180</b>	Psychology of Gender	3

#### AREA 4: QUANTITATIVE REASONING AND RESEARCH METHODS (TOTAL 0)

**Complete the following number of credits: 0**

<b>MATH219</b>	Statistics and Probability	4
<b>MATH219H</b>	Honors Statistics and Probability	4
<b>MATH220</b>	Statistics and Probability with Integrated Review	4
<b>SOCI20</b>	Introduction to Sociological Research Methods	3

#### AREA 5: MAJOR PREPARATION (MAY NOT BE A COURSE USED TO SATISFY THE CORE REQUIREMENTS) (TOTAL 0)

**Complete the following number of credits: 0**

<b>ETHN101</b>	Introduction to Ethnic Studies	3
<b>CHST101</b>	Introduction to Chicano Studies	3

## SOCIAL WORK AND HUMAN SERVICES, AA-T

A.A. Degree for Transfer

### Control Number:

37164

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 Courses & Requirements

Social Work and Human Services, AA-T (Total 29.5-30.5)

#### Complete all of the following

Required Core: (Total 4)

**Complete the following number of credits: 4**

**Complete at least one of the following rules (Total 3-6)**

<b>BIOL109</b>	Fundamentals of Biology	3
<b>BIOL109H</b>	Honors Fundamentals of Biology	3

**Complete at least one of the following rules (Total 1-14)**

<b>BIOL109HL</b>	Honors Fundamentals of Biology Laboratory	1
<b>BIOL109L</b>	Fundamentals of Biology Laboratory	1
<b>BIOL149</b>	Human Anatomy and Physiology	4
<b>BIOL239</b>	General Human Anatomy	4
<b>BIOL249</b>	Human Physiology	4

**Required core continued: (Total 19.5)**

**Complete the following number of credits: 19.5**

**Complete all of the following (Total 6)**

<b>CNSLI150</b>	Introduction to Human Services	3
<b>CNSLI60A</b>	The Helping Professions Seminar	1
<b>CNSLI60B</b>	Fieldwork Experience for the Helping Professions	2

**Complete at least one of the following rules (Total 3-6)**

<b>ECON101</b>	Principles/Micro	3
<b>ECON102</b>	Principles/Macro	3

**Complete at least one of the following rules (Total 4-12.5)**

<b>MATH219</b>	Statistics and Probability	4
<b>MATH219H</b>	Honors Statistics and Probability	4
<b>MATH220</b>	Statistics and Probability with Integrated Review	4.5

**Complete at least one of the following rules (Total 3-6)**

<b>PSYC100</b>	Introduction to Psychology	3
<b>PSYC100H</b>	Honors Introduction to Psychology	3

**Complete at least one of the following rules (Total 3-6)**

<b>SOCI100</b>	Introduction to Sociology	3
<b>SOCI100H</b>	Honors Introduction to Sociology	3

**Select (2) two courses from the following (List A): (Total 6-7)**

**Complete the following number of credits: 6-7**

**Complete at least one of the following rules (Total 3-6)**

<b>ANTH100</b>	Introduction to Cultural Anthropology	3
<b>ANTH100H</b>	Honors Introduction to Cultural Anthropology	3

**Complete at least one of the following rules (Total 3-6)**

<b>CDEV107</b>	Child Growth and Development (DS1)	3
<b>PSYC157</b>	Introduction to Child Psychology	3

**Complete at least one of the following rules (Total 3-6)**

<b>CDEV110</b>	Child, Family and Community (DS2)	3
<b>CJ101</b>	Introduction to Criminal Justice	3



**Complete at least one of the following rules (Total 3-6)**

<b>COMM120</b>	Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3

**Complete at least one of the following rules (Total 4-8)**

<b>ENGL103</b>	Critical Thinking and Writing	4
ENGL103H	Honors Critical Thinking and Writing	4

**Complete at least one of the following rules (Total 3-6)**

<b>HIST120</b>	The United States to 1877	3
HIST120H	Honors The United States to 1877	3

**Complete at least one of the following rules (Total 3-6)**

<b>HIST121</b>	The United States Since 1865	3
HIST121H	Honors the United States Since 1865	3

**Complete at least one of the following rules (Total 3-12)**

<b>PSYC160</b>	Introduction to Lifespan Psychology	3
PSYC230	Psychology of Adjustment	3
PSYC250	Introduction to Abnormal Psychology	3
SOC116	Social Problems	3

**SOCIOLOGY, AA**

A.A. Degree Major

**Control Number:**

11947

The Associate of Arts degree in Sociology is an interdisciplinary social science program providing students an understanding of interpersonal 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 Courses & Requirements**

Sociology,AA (Total 18 - 20) Complete all of the following

Major requirements: (Total 3)

**Complete the following number of credits: 3**

<b>SOC100</b>	Introduction to Sociology	3
SOC100H	Honors Introduction to Sociology	3

**Select two (2) courses from the following core requirements: (Total 6-7)**

**Complete the following number of credits: 6-7**

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. 0

MATH 219, MATH219H, and MATH220 are considered the same course. Credit will be awarded for only one of these courses. 0

<b>MATH219</b>	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4
SOC116	Social Problems	3
SOC120	Introduction to Sociological Research Methods	3

**Select two (2) courses from the following (List A): (Total 6)**

**Complete the following number of credits: 6**

<b>SOC130</b>	Relationships, Marriages, and Family Dynamics	3
SOC150	Introduction to Race and Ethnicity	3
SOC220	Introduction to Gender and Sexualities	3
SOC240	Introduction to Social Psychology	3

**Select two (1) courses from the following (List B): (Total 3-4)**

**Complete the following number of credits: 3-4**

<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology	3
ENGL103	Critical Thinking and Writing	4
ENGL103H	Honors Critical Thinking and Writing	4
PSYC100	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3
SOC115	Death and Dying	3



## SOCIOLOGY, AA-T

A.A. Degree for Transfer

### Control Number:

30600

The Associate in Arts in Sociology for Transfer degree is an interdisciplinary social science program providing students an understanding of behavior and social structure, a critical appreciation of contemporary social life, and a form of reference for an analysis of human behavior. 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

### Program Courses & Requirements

Sociology, AA-T (Total 18-20.5) Complete all of the following

#### Major requirements: (Total 3)

**Complete the following number of credits: 3**

<b>SOCI00</b>	Introduction to Sociology	3
SOC100H	Honors Introduction to Sociology	3

**Select two (2) courses from the following core requirements: (Total 6-7.5)**

**Complete the following number of credits: 6-7.5**

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. 0

MATH219, MATH219H, and MATH220 are considered the same course. Credit will be awarded for only one of these courses. 0

<b>MATH219</b>	Statistics and Probability	4
MATH219H	Honors Statistics and Probability	4
MATH220	Statistics and Probability with Integrated Review	4.5
SOC116	Social Problems	3
SOC120	Introduction to Sociological Research Methods	3

**Select two (2) courses from the following (List A): (Total 6)**

**Complete the following number of credits: 6**

<b>SOCI30</b>	Relationships, Marriages, and Family Dynamics	3
SOC150	Introduction to Race and Ethnicity	3
SOC240	Introduction to Social Psychology	3
SOC220	Introduction to Gender and Sexualities	3

**Select one (1) course from the following (List B): (Total 3-4)**

**Complete the following number of credits: 3-4**

<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology	3
ENGL103	Critical Thinking and Writing	4
ENGL103H	Honors Critical Thinking and Writing	4
PSYC100	Introduction to Psychology	3
PSYC100H	Honors Introduction to Psychology	3
SOC115	Death and Dying	3
SOC286	Introduction to LGBTQ Studies	3

## SPANISH, AA-T

A.A. Degree for Transfer

### Control Number:

32045

The Associate in Arts in Spanish for Transfer degree is designed for students who wish to transfer to the California State University system. Successful completion of the transfer degree in Spanish guarantees the student acceptance to the California State University campus leading to a baccalaureate degree in Spanish or similar major. The Associate in Arts in Spanish for Transfer Degree develops competence in the ability to understand, read, write and speak Spanish. In addition, it provides the foundation for student to acquire a better understanding and appreciation of the Spanish language and cultures of all 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 Courses & Requirements

Spanish, AA-T (Total 23) Complete all of the following

#### Major Requirements: (Total 5)

**Complete the following number of credits: 5**

**Complete at least one of the following rules (Total 5-10)**

<b>SPAN101</b>	Elementary Spanish I	5
SPAN101H	Honors Elementary Spanish I	5

**Complete all of the following (Total 5)**

<b>SPAN101A</b>	Elementary Spanish IA	2.5
SPAN101B	Elementary Spanish IB	2.5

**Major Requirements (Continued): (Total 15)**

**Complete the following number of credits: 15**

<b>SPAN102</b>	Elementary Spanish II	5
<b>Complete at least one of the following rules (Total 5-10)</b>		

<b>SPAN110</b>	Spanish for Spanish Speakers I	5
SPAN201	Intermediate Spanish I	5

**Complete at least one of the following rules (Total 5-10)**

<b>SPAN111</b>	Spanish for Spanish Speakers 2	5
SPAN202	Intermediate Spanish II	5

**Select one (1) course from the following (List A): (Total 3)**

**Complete the following number of credits: 3**

<b>SPAN194</b>	Beginning Conversational Spanish 3	3
SPAN195A	Advanced Conversational Spanish 3	3
SPAN195B	Advanced Conversational Spanish 3	3
SPAN213	College Spanish Composition 3	3

**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 (Total 0)**

**Complete the following number of credits: 0**

<b>ANTH100</b>	Introduction to Cultural Anthropology	3
ANTH100H	Honors Introduction to Cultural Anthropology	3
COMM120	Intercultural Communication	3
COMM120H	Honors Introduction to Intercultural Communication	3
ETHN130	Introduction to Chicano Studies	3
ENGL246	Survey of Chicano Literature	3
ETHN101	Introduction to Ethnic Studies	3
FREN101	Elementary French I	5
GEOG100	World Regional Geography	3
GEOG100H	Honors World Regional Geography	3
HIST124	Mexican-American History in the United States	3



ITAL101	Elementary Italian I	5
SOC100	Introduction to Sociology	3
SOC100H	Honors Introduction to Sociology	3
SOC220	Introduction to Gender and Sexualities	3

**SPECIAL EDUCATION PARAPROFESSIONAL, CA**

Certificate of Achievement

**Control Number:**  
38158

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 Courses & Requirements**

Special Education Paraprofessional, CA (Total 14-15)

**Complete the following number of credits: 14-15**

**Complete at least one of the following rules (Total 2-5)**

<b>CNSLI18</b>	Self Exploration and the Teaching Profession	2
EDUC110	The Teaching Experience: Exploration	3
CDEV205	Introduction to Children with Special Needs	3

**Complete all of the following (Total 6)**

<b>EDUC209</b>	Roles and Responsibilities of the Special Education Paraprofessional	3
EDUC211	Classroom Practices for Diverse Learners	3

**Complete at least one of the following rules (Total 3-6)**

<b>CDEV107</b>	Child Growth and Development (DS1)	3
PSYC157	Introduction to Child Psychology	3

**STUDENT LEADERSHIP, COM**

Certificate of Competency

**Control Number:**  
33942

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 Courses & Requirements**

Student Leadership, COM (Total 72)

**Complete the following number of credits: 72**

<b>HSOTH050</b>	Basics of Leadership Part 1	36
HSOTH202	Basics of Leadership Part 2	36

**STUDIO ARTS, AA-T**

A.A. Degree for Transfer

**Control Number:**  
31715

The Associate in Arts in Studio Arts for Transfer degree provides students with an opportunity to explore studio arts both conceptually and aesthetically by utilizing critical analysis and experimental practice. Possible careers in fine arts are studio artist, art educator, art designer, gallery personnel, museum technician, illustrator, digital media artist, animator and related fields. Successful completion of the transfer degree in studio arts guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in studio arts or a related field.

**Program Courses & Requirements**

Studio Arts, AA-T (Total 24) Complete all of the following

**Major requirements: (Total 18)**

**Complete the following number of credits: 18**

When an honors course is available, students can 0

<b>ART101</b>	Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART101H	Honors Survey of Western Art History I: Prehistory Through the Middle Ages	3
ART102	Survey of Western Art History II: Renaissance Through the Twentieth Century	3
ART102H	Honors Survey of Western Art History II: Renaissance Through the Twentieth Century	3
ART110	Two-Dimensional Design	3
ART111	Three-Dimensional Design	3
ART130	Introduction to Drawing	3
ART141	Beginning Painting	3

**Select two (2) courses from the following (List B): (Total 6)**

**Complete the following number of credits: 6**

<b>ART128</b>	Introduction to Illustration	3
ART131	Beginning Life Drawing	3
ART149	Introduction to Digital Photography	3
ART195	Introduction to Digital Media Arts	3
ART230	Intermediate Drawing	3
ART231	Intermediate Life Drawing	3
ART232	Advanced Life Drawing	3
ART233	Advanced Drawing	3
ART241	Intermediate Painting	3
ART242	Advanced Painting	3

**SUPERVISION, CERT**

Certificate of Proficiency

**Control Number:**

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 Courses & Requirements**

Supervision, CERT (Total 12)

**Complete the following number of credits: 12**

**Complete at least one of the following rules (Total 3-6)**

<b>MGMT121</b>	Human Relations and Organizational Behavior	3
BUS121	Human Relations and Organizational Behavior	3
MGMT135	Human Resource Management	3

**Complete at least one of the following rules (Total 3-6)**

<b>MGMT122</b>	Business Communications	3
BUS222	Business Writing	3



**Complete at least one of the following rules (Total 3-9)**

<b>MGMT120</b>	Principles of Management	3
<b>BUSI20</b>	Principles of Management	3
<b>MGMT123</b>	Supervision	3

## Theatre

### INTRODUCTION TO THEATRE

#### THEA100: 3.0 Units

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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area C: Humanities

##### CSU GE - Plan B

- Area CI: Arts (Art, Cinema, Dance, Music, Theatre)

##### IGETC - Plan C

- Area 3A: Arts

##### Local - Plan D

- Area CI - Art

### ACTING FUNDAMENTALS

#### THEA110: 3.0 Units

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.

#### Requisites:

None

#### Limitations on Enrollment:

- Course Family A combination of Theatre Arts 110, 111 and 118 may be taken a maximum of four enrollments.

#### General Education Plan:

UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### INTERMEDIATE ACTING

#### THEA111: 3.0 Units

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.

#### Requisites:

##### Advisory

**THEA110** Acting Fundamentals

#### Limitations on Enrollment:

- Course Family A combination of Theatre Arts 110, 111 and 118 may be taken a maximum of four enrollments.

#### General Education Plan:

UC Comparable Transfer Courses

- UC Comparable Transfer Courses

### FUNDAMENTALS OF SCENE STUDY

#### THEA118: 2.0 Units

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.

#### Requisites:

##### Advisory

**THEA110** Acting Fundamentals  
or Audition/Interview

#### Limitations on Enrollment:

- Course Family A combination of Theatre Arts 110, 111 and 118 may be taken a maximum of four enrollments.

### BEGINNING PERFORMANCE ENSEMBLE

#### THEA121: 2.5 Units

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.

#### Requisites:

##### Prerequisite

Audition

#### Transferability & General Education Options

##### Transferable:

Transferable to both UC and CSU

#### Weekly Lecture Hours:

2.5

### BEGINNING PRODUCTION SHOWCASE

#### THEA122: 3.0 Units

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.

#### Requisites:

##### Prerequisite

Audition

### REHEARSAL AND PERFORMANCE: DRAMA - MINOR/SUPPORTING ROLE

#### THEA180A: 2.0 Units

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.

#### Requisites:

##### Advisory

**THEA110** Acting Fundamentals

#### AND

##### Prerequisite

Audition

#### Limitations on 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.

#### General Education Plan:

##### UC Comparable Transfer Courses

- UC Comparable Transfer Courses



**REHEARSAL AND PERFORMANCE: DRAMA - LEADING ROLE**

**THEA180B: 2.0 Units**

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.

**Requisites:**

**Advisory**

**THEA110** Acting Fundamentals

**Limitations on 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.

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**REHEARSAL AND PERFORMANCE: COMEDY - MINOR/SUPPORTING ROLE**

**THEA181A: 2.0 Units**

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.

**Requisites:**

**Advisory**

**THEA110** Acting Fundamentals

**Limitations on 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.

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**REHEARSAL AND PERFORMANCE: COMEDY - LEADING ROLE**

**THEA181B: 2.0 Units**

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.

**Requisites:**

**Advisory**

**THEA110** Acting Fundamentals

**Limitations on 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.

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**REHEARSAL AND PERFORMANCE: ONE-ACT PLAYS**

**THEA182A: 2.0 Units**

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.

**Requisites:**

**Advisory**

**THEA110** Acting Fundamentals

**AND**

**Prerequisite**

Audition

**Limitations on 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.

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**REHEARSAL AND PERFORMANCE: ORIGINAL ONE-ACT PLAYS**

**THEA182B: 2.0 Units**

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.

**Requisites:**

**Advisory**

**THEA110** Acting Fundamentals

**AND**

**Prerequisite**

Audition and Interview

**Limitations on 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.

**General Education Plan:**

**UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

**REHEARSAL AND PERFORMANCE: MUSICAL - MINOR/SUPPORTING ROLE**

**THEA183A: 2.0 Units**

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.

**Requisites:**

**Advisory**

**THEA110** Acting Fundamentals

**AND**

**Prerequisite**

Audition

**Limitations on 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.

**General Education Plan:****UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

## REHEARSAL AND PERFORMANCE: MUSICAL - LEADING ROLE

**THEAI83B: 2.0 Units**

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.

**Requisites:****Advisory**

**THEAI10** Acting Fundamentals

**AND****Prerequisite**

Audition

**Limitations on 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.

**General Education Plan:****UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

## BEGINNING TECHNICAL THEATRE PRODUCTION

**THEAI86A: 2.0 Units**

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.

**Requisites:****Advisory**

**THEAI10** Acting Fundamentals

**AND****Prerequisite**

Interview

**Limitations on Enrollment:**

- Course Family A combination of Theatre Arts 186A, 186B and 186C may be taken a maximum of 4 enrollments.

**General Education Plan:****UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

## INTERMEDIATE TECHNICAL THEATRE PRODUCTION

**THEAI86B: 2.0 Units**

Students will gain technical theatre experience working as a crew head in one of the following production areas: Stage management, directorial associate, scenery, properties, costuming, makeup, lighting, and/or sound.

**Requisites:****Advisory**

**THEAI10** Acting Fundamentals

**AND****Prerequisite**

Interview

**Limitations on Enrollment:**

- Course Family A combination of Theatre Arts 186A, 186B and 186C may be taken a maximum of 4 enrollments.

**General Education Plan:****UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

## ADVANCED TECHNICAL THEATRE PRODUCTION

**THEAI86C: 2.0 Units**

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.

**Requisites:****Advisory**

**THEAI10** Acting Fundamentals

**AND****Prerequisite**

Interview

**Limitations on Enrollment:**

- Course Family A combination of Theatre Arts 186A, 186B and 186C may be taken a maximum of 4 enrollments.

**General Education Plan:****UC Comparable Transfer Courses**

- UC Comparable Transfer Courses

# Vocational

## 3D PRINTING / ADVANCED MANUFACTURING, CC

Certificate of Completion

**Control Number**

36210

The Certificate of Completion 3D Printing / Advanced Manufacturing 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 Courses & Requirements**

3D Printing / Advanced Manufacturing, CC (Total 180)

**Complete the following number of credits: 180**

<b>VBUS101</b>	Introduction to 3D Modeling using Blender	60
<b>VBUS105</b>	Introduction to 3D Animation using Blender	60
<b>VBUS130</b>	Introduction to 3D Printing	60

## TECHNICAL SKILLS FOR HIGHER LEARNING, CC

Certificate of Completion

**Control Number:**

36216

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 Courses & Requirements** Technical Skills for Higher Learning, CC (Total 152)

<b>Complete the following number of hours:</b>		<b>152</b>
<b>WKPR009</b>	Beginning Computers	60
WKPR011	Introduction to Handling Money	60
WKPR014	Basic Finances in the Workforce	32

**THE SCHOOL-AGE CHILD, CERT**

Certificate of Proficiency

**Control Number:**

The Certificate of Proficiency in the School-Age Child is intended to prepare students to meet California Community Care Licensing requirements for positions requiring practical skills and knowledge to work with school-age children (PreK-Grade 3) in Title 22 (privately owned), Title 5 (publically funded) or religious affiliated after-school programs, family child care homes, cruise or camp settings, or nannies. Completion of this certificate leads to a School-Age Children's Center Permit.

**Program Courses & Requirements**

The School-Age Child, CERT (Total 15)

<b>Complete the following number of credits:</b>		<b>15</b>
<b>CDEV110</b>	Child, Family and Community (DS2)	3
CDEV112	Health, Safety and Nutrition for Children	3
CDEV120A	Development of the School-Age Child (DS5)	3
CDEV120B	School-Age Child Care and Recreation Activities (DS5)	3
CDEV221	Living and Teaching in a Diverse Society	3

**TRANSITION TO HIGHER LEARNING, CC**

Certificate of Completion

**Control Number:**

36217

The Certificate of Completion in Transition to Higher Learning is designed to give students with intellectual, developmental, and learning disabilities the necessary knowledge and skills to be successful in their college career and future employment. Students will become familiar with college rules and guidelines as well as demonstrate an ability to address and meet their needs.

**Program Courses & Requirements**

Transition to Higher Learning, CC (Total 120)

<b>Complete the following number of credits:</b>		<b>120</b>
<b>WKPR001</b>	Transition to Higher Learning	0
WKPR002	Self-Advocacy	0

**UNDERSTANDING AND SUPPORTING EMPLOYEES WITH DISABILITIES, CC**

Certificate of Completion

**Control Number:**

36369

Designed for employers, the Certificate of Completion in Understanding and Supporting Employees with Disabilities provides strategies to create and maintain an inclusive, equitable, and compliant workplace successfully integrating employees with disabilities.

**Program Courses & Requirements**

Understanding and Supporting Employees with Disabilities, CC (Total 80)

<b>Complete the following number of credits:</b>		<b>80</b>
<b>WKPR100</b>	Understanding Employees with Disabilities in the Workplace	40
WKPR101	Strategies for Working with Employees with Disabilities	40

**ADOBE DREAMWEAVER**

**VBUS010: 60.0 Hours**

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.

**Requisites:**

None

**WORKFORCE READINESS**

**VBUS012: 60.0 Hours**

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.

**Requisites:**

None

**MS OUTLOOK**

**VBUS013: 60.0 Hours**

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)

**Requisites:**

None

**SOCIAL MEDIA**

**VBUS014: 60.0 Hours**

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)

**Requisites:**

None

**HOME-BASED BUSINESS**

**VBUS030: 60.0 Hours**

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)

**Requisites:**

None

**ACCOUNTING FOR NON-ACCOUNTANTS**

**VBUS040: 60.0 Hours**

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.

**Requisites:**

None

**DIGITAL PHOTOGRAPHY**

**VBUS096: 60.0 Hours**

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)

**Requisites:**

None



## ECOMMERCE

### VBUS097: 60.0 Hours

Provides introductory instruction on 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)

#### Requisites:

None

## 3D MODELING USING BLENDER

### VBUS101: 60.0 Hours

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)

#### Requisites:

##### Advisory

**VBUS119** Keyboarding and Basic Windows or equivalent

## ADOBE INDESIGN

### VBUS102: 60.0 Hours

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)

#### Requisites:

##### Advisory

**VBUS119** Keyboarding and Basic Windows or equivalent

## MS PROJECT

### VBUS103: 60.0 Hours

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)

#### Requisites:

None

## 3D ANIMATION USING BLENDER

### VBUS105: 60.0 Hours

Provides introductory instruction for creating short 3D animations using Blender software for viewing on the Internet or in other multimedia formats. Students learn to create animations using Blender's 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)

#### Requisites:

None

## SEMINAR IN ADOBE TOOLS

### VBUS107: 60.0 Hours

Explores and provides instruction in evolving Creative Cloud applications for the personal computer such as design, web, and video/audio tools. Open Entry/Open Exit.

#### Requisites:

None

## ADOBE PREMIERE VIDEO EDITING

### VBUS109: 60.0 Hours

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)

#### Requisites:

None

## ADOBE ACROBAT

### VBUS117: 30.0 Hours

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)

#### Requisites:

None

## MICROSOFT WINDOWS OVERVIEW

### VBUS118: 60.0 Hours

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 (2021)

#### Requisites:

None

## KEYBOARDING AND BASIC WINDOWS

### VBUS119: 60.0 Hours

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)

#### Requisites:

None

## ADOBE ANIMATE

### VBUS120: 60.0 Hours

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)

#### Requisites:

None

## COMPUTER APPLICATIONS BASICS

### VBUS121: 60.0 Hours

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)

#### Requisites:

None

## 3D PRINTING

### VBUS130: 60.0 Hours

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)

**Requisites:**

None

**GOOGLE APPLICATIONS**

**VBUSI40: 60.0 Hours**

This course provides an overview of Google Applications, a collection of cloud computing, productivity, and collaboration tools, with an emphasis on their use of effective workplace communication. Applications covered include Google Documents, Sheets, Slides, Drive, and Forms. Open Entry / Open Exit. Former Title: Introduction to Google Applications for Work (Fall 2023)

**Requisites:**

None

**DIGITAL MARKETING**

**VBUSI50: 60.0 Hours**

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)

**Requisites:**

None

**DIGITAL MARKETING ANALYTICS**

**VBUSI52: 60.0 Hours**

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)

**Requisites:**

**Advisory**

**VBUSI50** Digital Marketing

**FINANCIAL SERVICES AND INVESTMENTS**

**VBUSI60: 60.0 Hours**

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)

**Requisites:**

None

**BITCOIN AND DIGITAL ASSETS**

**VBUSI61: 60.0 Hours**

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)

**Requisites:**

None

**ADOBE ILLUSTRATOR**

**VBUS242: 60.0 Hours**

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)

**Requisites:**

**Advisory**

**VBUSI19** Keyboarding and Basic Windows or equivalent

**SEMINAR IN BUSINESS APPLICATIONS**

**VBUS257: 60.0 Hours**

Explores and provides instruction in evolving standard software applications commonly used in business. Open Entry/Open Exit.

**Requisites:**

None

**DIGITAL LITERACY**

**VBUS258: 36.0 Hours**

Introduces students to the Internet. Topics include types of Internet connections, e-mail, research, and data retrieval techniques. Open entry / Open exit. Former Title: Navigating the Internet (Fall 2023)

**Requisites:**

None



## INTRODUCTION TO WORD PROCESSING USING MS WORD

### VBUS260: 60.0 Hours

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.

#### Requisites:

##### Advisory

**VBUS119** Introduction to Keyboarding and Basic Windows or equivalent

## MS ACCESS

### VBUS261: 60.0 Hours

Provides instruction in basic concepts addressing typical database objects, including tables, queries, forms, and reports with MS Access software. Open entry/Open exit Former Title: Introduction to Databases using MS Access (Fall 2023)

#### Requisites:

##### Advisory

**VBUS119** Keyboarding and Basic Windows or equivalent

## MS EXCEL

### VBUS262: 60.0 Hours

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)

#### Requisites:

##### Advisory

**VBUS119** Keyboarding and Basic Windows or equivalent

## HTML BASICS

### VBUS302: 60.0 Hours

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)

#### Requisites:

##### Advisory

**VBUS119** Keyboarding and Basic Windows or equivalent

## ADOBE PHOTOSHOP

### VBUS303: 60.0 Hours

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)

#### Requisites:

##### Advisory

**VBUS119** Keyboarding and Basic Windows or equivalent

## MS POWERPOINT

### VBUS304: 60.0 Hours

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.

#### Requisites:

##### Advisory

**VBUS119** Keyboarding and Basic Windows or equivalent

## FUNDAMENTALS OF COMMERCIAL SEWING

### VCLTH477: 180.0 Hours

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.

#### Requisites:

##### Advisory

**VCLTH483** Introduction to Commercial Sewing or instructor's approval by assessment

## INTRODUCTION TO COMMERCIAL SEWING

### VCLTH483: 160.0 Hours

Introduces basic commercial sewing skills, including safe operation of equipment, sewing terminology, use of patterns, fabric cutting, garment construction, and repair. Open Entry/Open Exit.

#### Requisites:

None

## INTRODUCTION TO WELDING, PRE-APPRENTICE

### VCNST608: 180.0 Hours

Introduces welding safety, proper use of hand and power tools, and the basics of arc welding. Open Entry/Open Exit.

#### Requisites:

None

## FUNDAMENTALS OF WELDING, PRE-APPRENTICE

### VCNST611: 180.0 Hours

Provides basic instruction and training in Arc welding, Tungsten Inert Gas welding (TIG), and Metal Inert Gas welding (MIG). Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VCNST608** Introduction to Welding, Pre-Apprentice or instructor's approval by assessment

## INTRODUCTION TO CABINETRY/ FURNITURE REFINISHING PRE-APPRENTICE

### VCNST859: 180.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

None

## FUNDAMENTALS OF CABINETRY/ FURNITURE REFINISHING, PRE- APPRENTICE

### VCNST953: 180.0 Hours

Provides instruction in basic cabinetry/furniture construction, refinishing and repair with an emphasis on the use of hand and power tools. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VCNST859** Introduction to Cabinetry/Furniture Refinishing Pre-Apprentice or instructor's approval by assessment



## CUSTODIAL TECHNICIAN

### VCST101: 60.0 Hours

Prepares students for employment in custodial services. This course provides essential training for custodial work in a private and public facility. Students will learn safety standards set by California's Occupational Safety and Health Administration (Cal-OSHA), proper usage and maintenance of tools, and general maintenance procedures. Open Entry/Open Exit.

#### Requisites:

None

## BASIC HAZMAT SAFETY STANDARDS

### VCST102: 36.0 Hours

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.

#### Requisites:

##### Advisory

VCST101 Custodial Technician or equivalent

## CONCEPTS IN DOG TRAINING

### VDOG020: 12.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

None

## PRACTICAL DOG TRAINING

### VDOG030: 36.0 Hours

Applies the concepts of dog training to the actual training of a shelter dog preparing it for adoption in a family home. Open Entry/Open Exit.

#### Requisites:

None

## FOOD HANDLER TEST PREPARATION

### VFOOD005: 36.0 Hours

This course prepares students for employment in commercial and institutional food kitchens. Includes employee terminology, responsibilities, and training when preparing, handling, and serving food to the public. The course covers six key areas; basic food safety, good personal hygiene, controlling time and temperature, preventing cross-contamination, cleaning and sanitizing, and detailed food industry safety guidelines. Prepares the students for ServSafe Food Handler Certification. Open Entry/Open Exit.

#### Requisites:

None

## FOOD SERVICE MANAGER

### TEST PREPARATION

### VFOOD010: 72.0 Hours

Prepares students for employment in commercial and institutional food kitchens. Topics include an introduction to basic food service administration, personal hygiene and food safety/sanitation, storage, terminology, equipment, food service math and science, nutrition, procedures, and employment preparation. Prepares students for the ServSafe® Food Protection Manager Certification. Open Entry/Open Exit.

#### Requisites:

None

## OVERVIEW OF THE NURSING ASSISTANT TRAINING PROGRAM

### VMED010: 10.0 Hours

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.

#### Requisites:

None

## CERTIFIED NURSING ASSISTANT (CNA) TRAINING

### VMED011: 240.0 Hours

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.

#### Requisites:

##### Advisory

VMED010 Overview of the Nursing Assistant Training Program  
Completion of VMED 010 and a valid CPR certification should be obtained prior to enrolling in this class

## OVERVIEW OF THE MEDICAL ASSISTANT TRAINING PROGRAM

### VMED020: 10.0 Hours

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). Open Entry/Open Exit.

#### Requisites:

None

## MEDICAL TERMINOLOGY FOR MEDICAL ASSISTANTS

### VMED021: 60.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

VMED020 Overview of the Medical Assistant Training Program



## BUSINESS PROCEDURES FOR MEDICAL ASSISTANTS

### VMED022: 180.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED020** Overview of the Medical Assistant Training Program

## BODY SYSTEMS FOR MEDICAL ASSISTANTS

### VMED023: 60.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED020** Overview of the Medical Assistant Training Program

## HUMAN DISEASES AND DISORDERS FOR MEDICAL ASSISTANTS

### VMED024: 60.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED020** Overview of the Medical Assistant Training Program

## CLINICAL PROCEDURES FOR MEDICAL ASSISTANTS

### VMED025: 120.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED020** Overview of the Medical Assistant Training Program

## SURGICAL ASSISTING FOR MEDICAL ASSISTANTS

### VMED026: 90.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED020** Overview of the Medical Assistant Training Program

## EXTERNSHIP FOR MEDICAL ASSISTANTS

### VMED027: 150.0 Hours

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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED020** Overview of the Medical Assistant Training Program

#### AND

##### Advisory

**VMED021** Medical Terminology for Medical Assistants

#### AND

##### Advisory

**VMED022** Business Procedures for Medical Assistants

#### AND

##### Advisory

**VMED023** Body Systems for Medical Assistants

#### AND

##### Advisory

**VMED024** Human Diseases and Disorders for Medical Assistants

#### AND

##### Advisory

**VMED025** Clinical Procedures for Medical Assistants

#### AND

##### Advisory

**VMED026** Surgical Assisting for Medical Assistants

## INTRODUCTION TO CAREGIVING

### VMED030: 20.0 Hours

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.

#### Requisites:

None



## CAREGIVER TRAINING

### VMED031: 40.0 Hours

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.

#### Requisites:

##### Advisory

**VMED030** Introduction to Caregiving

## INTRODUCTION TO HEALTHCARE OCCUPATIONS

### VMED050: 60.0 Hours

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.

#### Requisites:

None

## HEALTHCARE SUPPORT WORKER PATHWAYS

### VMED051: 20.0 Hours

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.

#### Requisites:

None

## OVERVIEW OF THE HOME HEALTH AIDE TRAINING PROGRAM

### VMED060: 10.0 Hours

The home health aide (HHA) program prepares individuals who already hold their Certified Nurse Assistant (CNA) to become Certified Home Health Aides. This course provides an overview of the requirements to transition from CNA to HHA. 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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED011** Certified Nursing Assistant (CNA) Training

## HOME HEALTH AIDE (HHA) TRAINING

### VMED061: 52.0 Hours

The home health aide program prepares individuals who already hold their Certified Nurse Assistant (CNA) to become certified Home Health Aides. The program is designed to meet both State and Federal regulations and consists of both theory and clinical experience in assisted living facilities and/or homes. 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. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED011** Certified Nursing Assistant (CNA) Training or Certified Nurse Assistant (CNA) Certification

#### AND

##### Advisory

**VMED060** Overview of the Home Health Aide Training Program

## ACUTE CARE THEORY FOR NURSE ASSISTANTS

### VMED070: 90.0 Hours

With an emphasis on acute care theory, this course prepares the student to provide basic personal care to patients in the acute care hospital 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.

#### Requisites:

None

## ACUTE CARE PRACTICE FOR NURSE ASSISTANTS

### VMED071: 90.0 Hours

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 patient. Safety practices in the acute care setting will be emphasized. Students will work with neonatal and postpartum care, elimination, surgery, and admissions, transfers, and discharges. Open Entry/Open Exit.

#### Requisites:

##### Advisory

**VMED011** Certified Nursing Assistant (CNA) Training or Certified Nurse Assistant (CNA) License

#### AND

##### Advisory

**VMED070** Acute Care Theory for Nurse Assistants



## INTRODUCTION TO THE BEHAVIOR TECHNICIAN PROGRAM

### VMED080: 24.0 Hours

The behavior technician program prepares individuals for a certification exam and frontline work in the field of applied behavior analysis. This is an entry-level program designed to meet training national requirements for certification as a behavior technician. Courses will cover Autism Spectrum Disorder; basic principles of Applied Behavior Analysis (ABA), teaching methodologies based on ABA, prompting, generalization and maintenance, and data collection for skill acquisition. This is the first course in a two-course series. Students who successfully complete both courses in this series will learn the skills required to sit for any of the three nationally accredited behavior technician exams, such as Applied Behavior Analysis Technician (ABAT), Board Certified Autism Technician (BCAT), and Registered Behavior Technician (RBT).

#### Requisites:

None

## BEHAVIOR TECHNICIAN CERTIFICATION TRAINING

### VMED081: 24.0 Hours

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).

#### Requisites:

None

## INTRODUCTION TO MEDICAL CODING

### VMED090: 60.0 Hours

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.

#### Requisites:

None

## INTRODUCTION TO MEDICAL BILLING

### VMED091: 60.0 Hours

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

#### Requisites:

None

## INTRODUCTION TO LACTATION EDUCATOR SPECIALIST

### VMEDI00: 25.0 Hours

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.

#### Requisites:

None

## LACTATION EDUCATOR SPECIALIST

### VMEDI01: 25.0 Hours

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.

#### Requisites:

##### Advisory

VMEDI00 Introduction to Lactation Educator Specialist

## REAL ESTATE PRINCIPLES

### VREI02: 54.0 Hours

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.

#### Requisites:

None

## LEGAL ASPECTS OF REAL ESTATE

### VREI03: 54.0 Hours

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.

#### Requisites:

None

## REAL ESTATE PRACTICE

### VREI05: 54.0 Hours

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.

#### Requisites:

None

## REAL ESTATE FINANCE

### VREI06: 54.0 Hours

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.

#### Requisites:

None





**REAL ESTATE ECONOMICS**

**VRE110: 54.0 Hours**

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.

**Requisites:**

None

**REAL PROPERTY MANAGEMENT**

**VRE112: 54.0 Hours**

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.

**Requisites:**

None

**FUNDAMENTALS OF ESCROW**

**VRE151: 54.0 Hours**

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).

**Requisites:**

None

**REAL ESTATE LICENSE PREPARATION**

**VRE153: 54.0 Hours**

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.

**Requisites:**

**Prerequisite**

**VRE102** Real Estate Principles

**AND**

**Prerequisite**

**VRE105** Real Estate Practice

**REAL ESTATE EMPLOYABILITY SKILLS**

**VRE160: 18.0 Hours**

Students will enhance basic employability skills, workplace skills, interpersonal skills, communication skills, and leadership skills.

**Requisites:**

None

**WAREHOUSE WORKER**

**VWHS010: 40.0 Hours**

Provides instruction, demonstration and discussion of topics that are critical for the entry level warehouse worker. Open Entry/Open Exit.

**Requisites:**

None

**VOCATIONAL CONSTRUCTION - OECIE\***

**VOCATIONAL CONSTRUCTION**

**CONSTRUCTION LABORER - OECIE\***

**VOCATIONAL ESL, COM**

Certificate of Competency

**Control Number:**

24198

The Certificate of Competency in Vocational ESL develops the English language and workplace skills of limited-English speaking students.

**Program Courses & Requirements**

Certificate Requirements: 192-432 hours (credits are in hours) (Total 192-432)

**Complete the following number of credits: 192-432**

**ESL510** English for Work 1 96 - 216

**ESL520** English for Work 2 96 - 216

**Water Science**

**INTRODUCTION TO WATER SCIENCE**

**WATR020: 3.0 Units**

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.

**Requisites:**

None

**INTRODUCTION TO WATER SCIENCE**

**WATR020: 3.0 Units**

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.

**Requisites:**

None

**WASTEWATER OPERATOR EXAM REVIEW**

**WATR048: 0.5 Units**

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Wastewater Treatment Operator examinations.

**Requisites:**

**Advisory**

**WATR081** Wastewater Treatment

**WASTEWATER OPERATOR EXAM REVIEW**

**WATR048: 0.5 Units**

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Wastewater Treatment Operator examinations.

**Requisites:**

**Advisory**

**WATR081** Wastewater Treatment



## WATER MATHEMATICS AND HYDRAULICS

### WATR050: 3.0 Units

Practical application of mathematics to perform unit conversions and to calculate areas, volumes, flow rates, pressures, velocities, chemical dosages and related hydraulic calculations used in water system operations.

#### Requisites:

None

## WATER MATHEMATICS AND HYDRAULICS

### WATR050: 3.0 Units

Practical application of mathematics to perform unit conversions and to calculate areas, volumes, flow rates, pressures, velocities, chemical dosages and related hydraulic calculations used in water system operations.

#### Requisites:

None

## WATER CONSERVATION PRACTITIONER

### WATR052: 3.0 Units

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.

#### Requisites:

None

## WATER CONSERVATION PRACTITIONER

### WATR052: 3.0 Units

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.

#### Requisites:

None

## ADVANCED TREATMENT EXAM PREPARATION

### WATR054: 0.5 Units

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Treatment Operator T3 and T4 examinations.

#### Requisites:

None

## ADVANCED TREATMENT EXAM PREPARATION

### WATR054: 0.5 Units

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Treatment Operator T3 and T4 examinations.

#### Requisites:

None

## TREATMENT EXAM PREPARATION

### WATR056: 0.5 Units

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Treatment Operator T1 and T2 examinations.

#### Requisites:

None

## TREATMENT EXAM PREPARATION

### WATR056: 0.5 Units

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Treatment Operator T1 and T2 examinations.

#### Requisites:

None

## WATER DISTRIBUTION TEST PREPARATION

### WATR057: 0.5 Units

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Distribution Operator D1 and D2 examinations.

#### Requisites:

None

## WATER DISTRIBUTION TEST PREPARATION

### WATR057: 0.5 Units

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Distribution Operator D1 and D2 examinations.

#### Requisites:

None

## ADVANCED DISTRIBUTION EXAM PREPARATION

### WATR059: 0.5 Units

This course provides a comprehensive review of topics from multiple courses in the Water Utility Science program in order to prepare students for the California State Water Resources Control Board, Water Distribution Operator D3, D4, and D5 examinations.

#### Requisites:

None

## WATER UTILITY MAINTENANCE AND CONSTRUCTION

### WATR060: 3.0 Units

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.

#### Requisites:

None

## WATER DISTRIBUTION

### WATR061: 3.0 Units

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.

#### Requisites:

#### Prerequisite

**WATR050** Water Mathematics and Hydraulics

or current certification by the California State Water Resources Control Board as a Water Treatment, Water Distribution, or Wastewater Operator



## ADVANCED WATER DISTRIBUTION

### WATR062: 3.0 Units

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 system 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.

**Requisites:**

**Prerequisite**

WATR061 Water Distribution

## ELECTRICAL WIRING AND CONTROLS FOR OPERATORS

### WATR063: 3.0 Units

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.

**Requisites:**

None

## PUMPS AND PUMPING

### WATR064: 3.0 Units

Basic pump theory, operation, and repair. Assists operators and technicians in the design, selection, installation and maintenance of various dynamic and positive displacement pumps. Topics include pumps and pump components, hydraulics, and pumping system efficiencies. Optional field trips may be offered.

**Requisites:**

None

## BACKFLOW PREVENTION DEVICES

### WATR065: 3.0 Units

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 American Water Works Backflow Prevention certification exam.

**Requisites:**

None

## WATER TREATMENT FUNDAMENTALS

### WATR071: 3.0 Units

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.

**Requisites:**

**Prerequisite**

WATR050 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

## ADVANCED WATER TREATMENT

### WATR072: 3.0 Units

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.

**Requisites:**

**Prerequisite**

WATR071 Water Treatment Fundamentals

## WATER QUALITY

### WATR073: 3.0 Units

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.

**Requisites:**

None

## WATER QUALITY LABORATORY ANALYSIS

### WATR074: 3.0 Units

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.

**Requisites:**

None

## INTRODUCTION TO WASTEWATER TREATMENT

### WATR080: 3.0 Units

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 residuals handling. It is intended both for students preparing to become certified wastewater treatment operators, as well as students interested in discovering how the environmental impacts of human activities are minimized through modern wastewater treatment technologies. Field trips may be required.

**Requisites:**

None

## WASTEWATER TREATMENT

### WATR081: 3.0 Units

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 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 and 2. Optional field trips may be offered.

**Requisites:**

**Prerequisite**

WATR050 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

## ADVANCED WASTEWATER TREATMENT

### WATR082: 3.0 Units

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.

**Requisites:**

**Prerequisite**

WATR081 Wastewater Treatment



## COLLECTION SYSTEMS

### WATR083: 3.0 Units

Sewer construction, inspection and testing, cleaning methods, safety, elementary hydraulics, pipeline repair, equipment maintenance, communications, and record keeping. Successful completion provides student 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.

#### Requisites:

None

## WATER RECLAMATION AND REUSE

### WATR085: 3.0 Units

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.

#### Requisites:

None

## CROSS CONNECTION CONTROL SPECIALIST

### WATR091: 3.0 Units

Introduction and methodology of establishing a cross connection control program. Includes local, state and federal regulations. Prepares students for American Water Works Association Cross Connection Control Specialist examination.

#### Requisites:

None

## WATER UTILITY MANAGEMENT

### WATR092: 3.0 Units

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.

#### Requisites:

##### Advisory

**BUS222** Business Writing

Previous or concurrent enrollment

**OR**

## CALIFORNIA WATER RESOURCES

### WATRI07: 3.0 Units

A detailed examination of the supply and demand of water in California. Topics addressed include California 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.

#### Requisites:

None

#### General Education Plan:

##### Local - Plan A

- Area A: Natural Sciences

##### CSU GE - Plan B

- Area BI: Physical Sciences

##### Local - Plan D

- Area EI - Physical Sciences

## COOPERATIVE WORK EXPERIENCE EDUCATION

### WATRI99: 4.0 Units

This course is designed for students majoring in the Water Utility Science. Students must be enrolled in a minimum of six Water Utility Science units. Job site experience will train the student in additional job skills that will enhance academic learning from the classroom to the workplace. May be either paid or unpaid. Open Entry/Open Exit

#### Requisites:

##### Prerequisite

Successful completion of 6 units in Water Utility Science

## TRANSITION TO HIGHER LEARNING

### WKPR001: 32.0 Hours

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.

#### Requisites:

None

## SELF-ADVOCACY

### WKPR002: 60.0 Hours

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.

#### Requisites:

None

## GETTING AROUND TOWN

### WKPR003: 60.0 Hours

A class designed for students to enhance independence by introduction to safe practices and knowledge about using public transportation. Open Entry/Open Exit.

#### Requisites:

None

## CHOOSING THE RIGHT EMPLOYMENT PATH

### WKPR004: 60.0 Hours

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.

#### Requisites:

None

## SAFETY ON THE JOB

### WKPR005: 60.0 Hours

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.

#### Requisites:

None



**COMMUNICATION SKILLS FOR SUCCESSFUL EMPLOYMENT**

**WKPR006: 60.0 Hours**

This course is designed to help students improve communication skills related to employment. Open Entry/Open Exit.

**Requisites:**

None

**SOCIAL SKILLS AND NECESSARY ETIQUETTE**

**WKPR007: 60.0 Hours**

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.

**Requisites:**

None

**BUILDING CRITICAL THINKING SKILLS**

**WKPR008: 60.0 Hours**

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.

**Requisites:**

None

**BEGINNING COMPUTERS**

**WKPR009: 60.0 Hours**

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.

**Requisites:**

None

**CUSTOMER SERVICE FOR THE MEDICAL FIELD**

**WKPR010: 60.0 Hours**

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.

**Requisites:**

None

**INTRODUCTION TO HANDLING MONEY**

**WKPR011: 60.0 Hours**

This course is designed to 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.

**Requisites:**

None

**APPLYING READING SKILLS ON THE JOB**

**WKPR012: 60.0 Hours**

This course is designed to increase reading comprehension skills necessary for successful employment. Open Entry/Open Exit.

**Requisites:**

None

**APPLYING WRITING SKILLS ON THE JOB**

**WKPR013: 60.0 Hours**

This course is designed to assist students with the writing process and includes activities to improve written composition skills. Open Entry/Open Exit.

**Requisites:**

None

**BASIC FINANCES IN THE WORKFORCE**

**WKPR014: 32.0 Hours**

This is an introductory course to teach students how to manage and maintain a budget for payroll services. Open Entry/Open Exit.

**Requisites:**

None

**PUBLIC COMMUNICATIONS**

**WKPR015: 32.0 Hours**

This course is designed to teach students public speaking skills through the use of demonstrative, informative, and persuasive speeches. Open Entry/Open Exit.

**Requisites:**

None

**LONG TERM COMPETITIVE EMPLOYMENT TRAINING**

**WKPR016: 180.0 Hours**

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.

**Requisites:**

None

**APPLYING MATH SKILLS ON THE JOB**

**WKPR017: 60.0 Hours**

This course is designed to increase students' mathematical reasoning skills necessary for successful employment.

**Requisites:**

None

**SOCIAL MEDIA AND ONLINE SAFETY IN THE WORKPLACE**

**WKPR018: 60.0 Hours**

This course is designed to provide students with the knowledge to increase personal and professional safety while online, creating, and maintaining social media accounts.

**Requisites:**

None

**DIFFERENT COMMUNICATION STYLES IN THE WORKFORCE**

**WKPR019: 60.0 Hours**

Provides students with new vocabulary to enhance collaboration in the workplace.

**Requisites:**

None

**DIFFERENT CULTURES IN THE WORKPLACE**

**WKPR020: 60.0 Hours**

Provides students with an overview of how different cultures create diversity in the workplace.

**Requisites:**

None



## INTRODUCTION TO WORKING REMOTELY

### WKPR021: 40.0 Hours

This course is designed to provide students with a basic overview of introductory skills to successfully work remotely.

#### Requisites:

None

## SOFT SKILLS NECESSARY FOR EMPLOYEES WHO WORK REMOTELY

### WKPR022: 40.0 Hours

This course is designed to provide students with an overview of the soft skills to successfully work remotely.

#### Requisites:

None

## ATTITUDES FOR SUCCESS

### WKPR099: 36.0 Hours

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.

#### Requisites:

None

## UNDERSTANDING EMPLOYEES WITH DISABILITIES IN THE WORKPLACE

### WKPR100: 40.0 Hours

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.

#### Requisites:

None

## STRATEGIES FOR WORKING WITH EMPLOYEES WITH DISABILITIES

### WKPR101: 40.0 Hours

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.

#### Requisites:

##### Advisory

**WKPR100** Understanding Employees with Disabilities in the Workplace

## UNDERSTANDING STUDENTS WITH DISABILITIES

### WKPR102: 40.0 Hours

This course is designed to provide students with a basic overview of different disabilities and neurodiversity in classrooms.

#### Requisites:

None

## STRATEGIES FOR INSTRUCTING STUDENTS WITH DISABILITIES

### WKPR103: 40.0 Hours

This course is designed to provide students with instructional strategies to meet the needs of a diverse classroom.

#### Requisites:

None

## WORKFORCE READINESS

### WKPR500: 60.0 Hours

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)

#### Requisites:

None

## ATTITUDES FOR SUCCESS

### WKPR600: 36.0 Hours

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.

#### Requisites:

None

## MONEY MATTERS

### WKPR601: 36.0 Hours

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)

#### Requisites:

None

## WAREHOUSING, CC

Certificate of Completion

#### Control Number:

33562

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 Courses & Requirements

Warehousing, CC (Total 100)

**Complete the following number of credits: 100**

<b>VWHS010</b>	Warehouse Worker	40
<b>WKPR500</b>	Workforce Readiness	60

## WASTEWATER TREATMENT, CERT

Certificate of Proficiency

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 Courses & Requirements

Wastewater Treatment, CERT (Total 12)

**Complete the following number of credits: 12**

**Complete all of the following (Total 9)**

<b>WATR050</b>	Water Mathematics and Hydraulics	3
<b>WATR081</b>	Wastewater Treatment	3
<b>WATR082</b>	Advanced Wastewater Treatment	3



<b>Complete at least one of the following rules</b>		<b>(Total 3-9)</b>
<b>WATR053</b>	Water Reclamation and Reuse	3
WATR080	Introduction to Wastewater Treatment	3
WATR083	Collection Systems	3

**WASTEWATER/ENVIRONMENTAL SANITATION, AS**

A.S. Degree Major

**Control Number:**

11908

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 Courses & Requirements**

Wastewater/Environmental Sanitation, AS (Total 21)

**Complete all of the following**

Major requirements: (Total 12)

**Complete the following number of credits: 12**

<b>WATR050</b>	Water Mathematics and Hydraulics	3
WATR080	Introduction to Wastewater Treatment	3
WATR081	Wastewater Treatment	3
WATR082	Advanced Wastewater Treatment	3

**Select three (3) courses from the following: (Total 9)**

**Complete the following number of credits: 9**

<b>WATR020</b>	Introduction to Water Science	3
WATR053	Water Reclamation and Reuse	3
WATR060	Water Utility Maintenance and Construction	3
<b>WATR061</b>	Water Distribution	3
WATR062	Advanced Water Distribution	3
WATR063	Electrical Wiring and Controls for Operators	3
WATR064	Pumps and Pumping	3
WATR071	Water Treatment Fundamentals	3
WATR071	Water Treatment Fundamentals	3
WATR073	Water Quality	3
WATR083	Collection Systems	3
WATR107	California Water Resources	3

**WASTEWATER/ENVIRONMENTAL SANITATION, CA**

Certificate of Achievement

**Control Number:**

21669

The Certificate of Achievement in Wastewater/Environmental Sanitation program is designed to prepare students for careers in the environmental protection field of waste water treatment. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, conventional wastewater treatment process operation, advanced treatment processes, and wastewater recycling and disposal.

**Program Courses & Requirements**

Wastewater/Environmental Sanitation, CA (Total 21)

**Complete all of the following**

Certificate requirements: (Total 12)

**Complete the following number of credits: 12**

<b>WATR050</b>	Water Mathematics and Hydraulics	3
WATR080	Introduction to Wastewater Treatment	3
WATR081	Wastewater Treatment	3

WATR082	Advanced Wastewater Treatment	3
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**Select three (3) courses from the following: (Total 9)**

**Complete the following number of credits: 9**

<b>WATR020</b>	Introduction to Water Science	3
WATR060	Water Utility Maintenance and Construction	3
WATR061	Water Distribution	3
WATR062	Advanced Water Distribution	3
WATR063	Electrical Wiring and Controls for Operators	3
<b>WATR064</b>	Pumps and Pumping	3
WATR071	Water Treatment Fundamentals	3
WATR073	Water Quality	3
WATR083	Collection Systems	3
WATR085	Water Reclamation and Reuse	3
WATR107	California Water Resources	3

**WATER CONSERVATION, CERT**

Certificate of Proficiency

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 Courses & Requirements**

Water Conservation, CERT (Total 12)

**Complete the following number of credits: 12**

**Complete all of the following (Total 6)**

<b>WATR052</b>	Water Conservation Practitioner 3	
WATR107	California Water Resources 3	

**Complete at least one of the following rules (Total 3-6)**

<b>PBLC080</b>	Principles of Project Management	3
BUS090	Principles of Project Management	3

**Complete at least one of the following rules (Total 3-6)**

<b>MGMT122</b>	Business Communications	3
BUS222	Business Writing	3

**WATER DISTRIBUTION, AS**

A.S. Degree Major

**Control Number:**

11907

The Associate of Science degree in Water Distribution program is designed to prepare students for careers in the public health field of drinking water distribution. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, water distribution system components and operation, drinking water disinfection practices, and related water mathematics and hydraulic principles.

**Program Courses & Requirements**

Water Distribution, AS (Total 21)

**Complete all of the following**

Major requirements: (Total 9)

**Complete the following number of credits: 9**

<b>WATR050</b>	Water Mathematics and Hydraulics	3
WATR061	Water Distribution	3
WATR062	Advanced Water Distribution	3

**Select four (4) courses from the following: (Total 12)**

**Complete the following number of credits: 12**

<b>WATR020</b>	Introduction to Water Science	3
WATR052	Water Conservation Practitioner	3
WATR053	Water Reclamation and Reuse	3



WATR060	Water Utility Maintenance and Construction	3
WATR063	Electrical Wiring and Controls for Operators	3
WATR064	Pumps and Pumping	3
WATR071	Water Treatment Fundamentals	3
WATR107	California Water Resources	3

## WATER DISTRIBUTION, CA

Certificate of Achievement

### Control Number:

19625

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 Courses & Requirements

Water Distribution, CA (Total 21)

#### Complete all of the following

Certificate requirements: (Total 9)

**Complete the following number of credits: 9**

<b>WATR050</b>	Water Mathematics and Hydraulics	3
WATR061	Water Distribution	3
WATR062	Advanced Water Distribution	3

**Select four (4) courses from the following: (Total 12)**

**Complete the following number of credits: 12**

<b>WATR020</b>	Introduction to Water Science	3
WATR052	Water Conservation Practitioner	3
WATR053	Water Reclamation and Reuse	3
WATR060	Water Utility Maintenance and Construction	3
WATR063	Electrical Wiring and Controls for Operators	3
WATR064	Pumps and Pumping	3
WATR071	Water Treatment Fundamentals	3
WATR107	California Water Resources	3

## WATER DISTRIBUTION, CERT

Certificate of Proficiency

The Certificate of Proficiency in Water Distribution program prepares students for careers in the public health field of drinking water distribution. Subjects addressed include water quality and public health regulations, water distribution system components and operation, drinking water disinfection practices, and related water mathematics and hydraulic principles.

### Program Courses & Requirements

Water Distribution, CERT (Total 12)

**Complete the following number of credits: 12**

**Complete all of the following (Total 9)**

<b>WATR050</b>	Water Mathematics and Hydraulics	3
WATR061	Water Distribution	3
WATR062	Advanced Water Distribution	3

**Complete at least one of the following rules (Total 3-6)**

<b>WATR052</b>	Water Conservation Practitioner	3
WATR060	Water Utility Maintenance and Construction	3

## WATER EQUIPMENT OPERATION AND MAINTENANCE, CERT

Certificate of Proficiency

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 Courses & Requirements

Water Equipment Operation and Maintenance, CERT (Total 11-12)

**Complete the following number of credits: 11-12**

**Complete at least one of the following rules (Total 2-5)**

<b>WATR060</b>	Water Utility Maintenance and Construction	3
WATR065	Backflow Prevention Devices	2

**Complete all of the following (Total 9)**

<b>WATR063</b>	Electrical Wiring and Controls for Operators	3
WATR064	Pumps and Pumping	3
WATR083	Collection Systems	3

## WATER SYSTEM AUTOMATION, CA

Certificate of Achievement

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 Courses & Requirements

Water System Automation, CA (Total 12)

**Complete the following number of credits: 12**

<b>ETEC110</b>	DC Circuits	3
ETEC120	AC Circuits	3
ETEC130	Programmable Logic Controllers	3
WATR063	Electrical Wiring and Controls for Operators	3

## WATER TREATMENT, AS

A.S. Degree Major

### Control Number:

19623

The Associate of Science degree in Water Treatment is designed to prepare students for careers in the public health field of drinking water treatment. This program is also designed to enable those already working in the field to upgrade their skills. Subjects addressed include water quality and public health regulations, conventional water treatment processes, advanced water

**Major requirements: (Total 12)**

**Complete the following number of credits: 12**

<b>WATR050</b>	Water Mathematics and Hydraulics	3
WATR071	Water Treatment Fundamentals	3
WATR072	Advanced Water Treatment	3
WATR073	Water Quality	3

**Select three (3) courses from the following: (Total 9)**

**Complete the following number of credits: 9**

<b>WATR020</b>	Introduction to Water Science	3
WATR052	Water Conservation Practitioner	3
<b>WATR053</b>	Water Reclamation and Reuse	3
WATR060	Water Utility Maintenance and Construction	3
WATR061	Water Distribution	3
WATR062	Advanced Water Distribution	3
WATR063	Electrical Wiring and Controls for Operators	3
WATR064	Pumps and Pumping	3
WATR065	Backflow Prevention Devices	2
WATR074	Water Quality Laboratory Analysis	2
WATR080	Introduction to Wastewater Treatment	3
WATR107	California Water Resources	3





## WATER TREATMENT, CA

Certificate of Achievement

### Control Number:

19624

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 Courses & Requirements

Water Treatment, CA (Total 21)

#### Complete all of the following

Certificate requirements: (Total 12)

#### Complete the following number of credits: 12

<b>WATR050</b>	Water Mathematics and Hydraulics	3
WATR071	Water Treatment Fundamentals	3
WATR072	Advanced Water Treatment	3
WATR073	Water Quality	3

#### Select three (3) courses from the following: (Total 9)

#### Complete the following number of credits: 9

<b>WATR020</b>	Introduction to Water Science	3
WATR052	Water Conservation Practitioner	3
WATR053	Water Reclamation and Reuse	3
WATR060	Water Utility Maintenance and Construction	3
<b>WATR061</b>	Water Distribution	3
WATR062	Advanced Water Distribution	3
WATR063	Electrical Wiring and Controls for Operators	3
<b>WATR064</b>	Pumps and Pumping	3
WATR065	Backflow Prevention Devices	2
WATR074	Water Quality Laboratory Analysis	2
WATR080	Introduction to Wastewater Treatment	3
WATR107	California Water Resources	3

## WATER TREATMENT, CERT

Certificate of Proficiency

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 Courses & Requirements

Water Treatment, CERT (Total 12)

#### Complete the following number of credits: 12

<b>WATR050</b>	Water Mathematics and Hydraulics	3
WATR071	Water Treatment Fundamentals	3
WATR072	Advanced Water Treatment	3
WATR073	Water Quality	3

## WATER UTILITY MANAGEMENT, CERT

Certificate of Proficiency

The Certificate of Proficiency in Water Utility Management program provides current and potential employees with the supervisory and management skills needed to become the future leaders in water and wastewater organizations. Courses explore general principles of project management, supervision, and business communications, as well as specific management issues related to the Water and Wastewater industries.

### Program Courses & Requirements

Water Utility Management, CERT (Total 18)

#### Complete all of the following

Requirements for the certificate of proficiency: (Total 15)

#### Complete the following number of credits: 15

#### Complete at least one of the following rules (Total 3-6)

<b>PBLC080</b>	Principles of Project Management	3
BUS090	Principles of Project Management	3
CIS101	Introduction to Microsoft Office	3

#### Complete at least one of the following rules (Total 3-6)

<b>MGMT122</b>	Business Communications	3
BUS222	Business Writing	3

#### Complete all of the following (Total 6)

<b>MGMT123</b>	Supervision	3
WATR092	Water Utility Management	3

#### Select one (1) course from the following: (Total 3)

#### Complete the following number of credits: 3

<b>BUS121</b>	Human Relations and Organizational Behavior	3
MGMT121	Human Relations and Organizational Behavior	3
MGMT135	Human Resource Management	3

## WEB ASSOCIATE, CC

Certificate of Completion

### Control Number:

24420

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 Courses & Requirements

Web Associate, CC (Total 300)

#### Complete the following number of credits: 300

<b>VBUS010</b>	Introduction to Web Design using Adobe Dreamweaver	0
VBUS107	Seminar in Adobe Tools	0
VBUS242	Introduction to Vector Graphics using Adobe Illustrator	0
VBUS302	Introduction to Web Page Development using HTML	0
VBUS303	Introduction to Electronic Imaging using Adobe Photoshop	0



## WEB MARKETING, CERT

Certificate of Proficiency

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 Courses & Requirements

Web Marketing, CERT (Total 9)

**Complete the following number of credits:** **9**

<b>BUS127</b>	Introduction to E-Commerce	3
<b>MKTG113</b>	Principles of Marketing	3
<b>MKTG135</b>	Web Marketing and Promotion	3

## WORKFORCE SKILLS, CC

Certificate of Completion

**Control Number:**

37825

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 Courses & Requirements

Workforce Skills, CC (Total 72)

**Complete the following number of hours:** **72**

<b>WKPR600</b>	Attitudes for Success	36
<b>WKPR601</b>	Money Matters	36

## WORKING WITH STUDENTS WITH DISABILITIES, CC

Certificate of Completion

**Control Number:**

38400

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 Courses & Requirements

Working with Students with Disabilities, CC (Total 80)

**Complete the following number of credits:** **80**

<b>WKPR102</b>	Understanding Students with Disabilities	40
<b>WKPR103</b>	Strategies for Instructing Students with Disabilities	40



**COLLEGE FACULTY & ADMINISTRATORS**

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**Aguilera, Leonor (2007)**

Professor of Counseling  
 B.A., Social Welfare, University of California, Berkeley  
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**Alonzo, Joseph A. (2015)**

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 B.A. Education, University of Missouri, Kansas City  
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 A.S., Mathematics, Orange Coast College  
 B.S., Computer Science, Minor in Mathematics, California State University, Fullerton  
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Professor of Marketing and Business  
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 A.A., Education, Coastline Community College, Fountain Valley  
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 B.A., English, Loyola Marymount University  
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**Barembaum, Morrie (2000)**

Professor of Astronomy  
 B.S., Physics, University of California, Irvine  
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 B.S. Biology, UC Riverside  
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**Beers-McCormick, Lynnette (2004)**

Professor of English  
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Associate Professor of Psychology  
 B.A., Psychology, California State University, Long Beach  
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 B.A., Spanish and History, Occidental College  
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 B.A., Physical Education, Point Loma Nazarene University  
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 Ed.D., Concentration in Sports Management and Leadership, North Central University

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Clinical Psychologist  
 B.A., California State University, Long Beach  
 M.A., California School of Professional Psychology, Los Angeles  
 Psy.D., California School of Professional Psychology, Los Angeles

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**Carpio, Brenda (2016)**

Associate Professor of Political Science  
 B.A., Politics and Latin American Studies, Pomona College  
 M.A., Political Science, University of California, Irvine

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 A.A., Guitar Performance, Musicians Institute  
 A.A., Liberal Arts & Sciences: Self-development & Social Behavior, Cerritos College  
 B.A., Human Communication Studies, California State University, Fullerton  
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Associate Professor of Counseling  
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 M.S., Counseling, University of La Verne

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 A.A., Early Childhood Education, Long Beach City College  
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 M.S., Counseling, California State University, Dominguez Hills

**Coto, Jennifer (2001)**

Dean of Counseling  
 A.A. Orange Coast College  
 B.A., California State University, Long Beach  
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**Cotter, Matthew (2016)**

Associate Professor of Mathematics  
 B.A., Applied Mathematics, California State University, Fullerton  
 M.A., Applied Mathematics, California State University, Fullerton

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Associate Professor of Counseling  
 A.A., Liberal Arts, Santiago Canyon College  
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 M.S., Counseling, California State University, Fullerton  
 Ed.D., Counseling Psychology, Argosy University

**Crammer, Cale (2016)**

Associate Professor of Political Science  
 B.A., Political Science, California State University, San Marcos  
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**Cuellar, Estela (2006)**

Director of Special Programs  
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 M.B.A., Business Administration, University of Redlands

**Cummins, Shawn (2001)**

Professor of Kinesiology  
 B.S., Kinesiology, California State University, Fullerton  
 M.Ed., Physical Education, Azusa Pacific University

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Associate Professor of Earth Sciences  
 B.S., M.S., Geological Sciences, California State University, Fullerton

**Danova, Veselka (2015)**

Associate Professor of Mathematics  
 B.S., M.S., Mathematics: Pure Option, California State Polytechnic University, Pomona

**Daugherty, Seth (2016)**

Associate Professor of Library & Information Studies  
 B.S., Instructional Design, California State University, Chico  
 M.L.I.S., San Jose State University  
 M.S., Educational and Instructional Technology, National University

**DeCarbo, Michael (2000)**

Professor of Communication  
 B.A., Speech Communication, California State University, Los Angeles.  
 M.A., Communication Studies, California State University, Los Angeles

**Deeley, Steven (2006)**

Professor of Business  
 B.A., Political Science, University of California, Santa Barbara  
 M.B.A., University of Southern California

**Dela Cusack, Lisa (2004)**

Professor of English  
 B.A., Loyola Marymount University  
 M.A., Boston College  
 Ph.D., University of California, Riverside

**Dennis, Jeffrey P. (2018)**

Associate Professor, Water Utility Science  
 B.A., Chemistry, University of California, Santa Barbara  
 M.S., Environmental Engineering, University of Southern California

**Diaz, Darlene (2007)**

Professor of Mathematics  
 B.S., University of California, Irvine  
 M.S., California State University, Northridge

**El-Said, Nahla (2005)**

Professor of Chemistry  
 B.S., Pharmaceutical Science, Cairo University  
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 Ph.D., Organic Chemistry, University of California, Riverside

**Engstrom, Vanessa (2015)**

Associate Professor of Geography  
 B.S., Regional Development, University of Arizona  
 M.A., Geography, University of Arizona

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 A.A., Liberal Arts, Orange Coast College  
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**Evett, Corinna (2005)**

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 B.A., California State University, Stanislaus  
 M.A., California State University, Sacramento

**Foley, Denise (2006)**

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 A.A., Liberal Studies, Fullerton College  
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 M.A., Education: Curriculum & Instruction: Reading, Grand Canyon University

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**Frost, Alicia (2005)**

Professor of Mathematics  
 B.S., M.S., California State University, Long Beach

**Galvan, Juana (2016)**

Associate Professor of Counseling  
 A.A., Liberal Arts, Santa Ana College  
 B.S., Human Services, California State University, Fullerton  
 M.A., Counseling Psychology, Argosy University

**Gascon, Christine (2016)**

Dean of Instruction & Student Services  
 B.A., German Literature, California State University, Fullerton  
 M.S., Education – TESOL, California State University, Fullerton

**Gates, Alana (2019)**

Associate Professor of Real Estate  
 A.S., Real Estate, Irvine Valley College  
 B.A., Business Administration, California State University Fullerton

**Gause, Tiffany (2013)**

Associate Professor of Sociology  
 M.A., B.A., Sociology, California State University, Fullerton

**Gonzalez, Sara D. (2019)**

Professor of English  
 B.A., English Literature, California State University, San Bernardino  
 M.A., English Literature, California State University, Long Beach

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 B.A., Sociology, Chapman University  
 M.A., Sociology, California State University, Fullerton

**Graham, Song (2015)**

Associate Professor of Counseling  
 B.A., Psychology, University of California, Irvine  
 M.S., Counseling, California State University, Long Beach

**Granitto, James V. (2006)**

Professor of Philosophy  
 B.A., Philosophy, University of California, Irvine  
 M.A., Philosophy, California State University, Long Beach



**Gutierrez, Erika J. (2016)**

Associate Professor of Ethnic Studies and Sociology  
 B.A., Ethnic Studies and Sociology, University of California, San Diego  
 M.A., Sociology, University of California, Riverside

**Silvey, Kathy (2016)**

Associate Professor of English  
 B.A., English, Pepperdine University  
 M.A., Literature in English, California State University Northridge

**Hamamura, Stacey (2023)**

Assistant Professor of Chemistry  
 B.S., Chemistry, California Lutheran University  
 Single Subject Teaching Credential, Chemistry, University of California, Irvine  
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**Hauscarriague, Anne (2001)**

Professor of Mathematics  
 B.S., Biology/Mathematics, St. Mary's College of California  
 M.A.T., Secondary Mathematics, Kent State University  
 Ph.D., Math Education, Claremont Graduate University

**Hedenberg, Lacy (2015)**

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 B.S., Human Services, California State University, Fullerton  
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**Henry, Amanda (2019)**

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**Hernandez, Rosalba (2016)**

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 M.S., Psychology, California State University, Long Beach

**Ho, Nick (2019)**

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 B.A., Statistics, University of California, Berkeley  
 M.S., Educational Counseling, National University

**Hong, Song (2023)**

Assistant Professor of ESL  
 B.A., Fine Arts, University of California, Berkeley  
 M.A., Teaching English to Speakers of Other Languages (TESOL), Azusa Pacific University

**Howell, Scott (2004)**

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 M.A., Ph.D., University of California, Riverside

**James, Scott (2014)**

Associate Professor/Distance Education Coordinator  
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 B.S., Technical Management, Embry-Riddle Aeronautical University  
 M.A., Educational Technology, Pepperdine University

**Jones, Vanessa (2013)**

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 B.S., Pure Mathematics, California State Polytechnic University, Pomona  
 M.S., Mathematics, California State Polytechnic University, Pomona

**Johnson, Kimberly (2015)**

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 B.S., Marine Biology, California State University, Long Beach  
 M.S., Biology, California State University, Long Beach

**Jordan, Loretta (1997)**

Assistant Vice President of Student Services  
 B.A., History, University of California, Los Angeles  
 M.A., Educational Management, University of LaVerne  
 M.A., Clinical Psychology, Chicago School of Professional Psychology  
 Psy.D., Chicago School of Professional Psychology

**Kim, Jeannie G. (2023)**

President of Santiago Canyon College  
 Ph.D., Higher Education Policy, Evaluation and Reform, Claremont Graduate University  
 M.A. California State University, Fullerton  
 B.A. Cultural Anthropology with an emphasis on Asian-American Women, University of California, Los Angeles

**Kramer, Jessica (2016)**

Associate Professor of Mathematics  
 A.A., Liberal Arts, Santiago Canyon College  
 B.S., Biology, University of California, Irvine  
 M.A., Mathematics, California State University, Fullerton

**Kosuth-Wood, Kathryn (2004)**

Professor of English  
 B.A., English, University of California, Los Angeles  
 M.A., English, California State University, Fullerton

**Kubicka-Miller, Jared (2006)**

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**Kubicka-Miller, Tara (2004)**

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 B.S., Northern Arizona University  
 M.A., California State University, Long Beach

**Lamourelle, Regina (2000)**

Professor of Human Development  
 B.A., University of California, Santa Barbara  
 M.S., Ed.D., Nova Southeastern University, Florida

**Lennertz, William (1991)**

Professor of English  
 B.A., California State University, Long Beach  
 M.F.A., George Mason University

**Lui, Anson M.W. (2011)**

Professor of Biology  
 B.S., M.S., California Polytechnic State University, San Luis Obispo

**Malone, Charlie (2014)**

Associate Professor of American Sign Language  
 B.A., Economics, California State University, Northridge  
 M.A., Special Education, California State University, Northridge  
 Professional Clear Level II Education Specialist Credential, California State University, Northridge

**Martin, DeAnna (2015)**

Associate Professor of Accounting  
 B.A., M.B.A., California State University, Long Beach  
 C.P.A., State of California

**Martin, Linda (2015)**

Associate Professor of Library & Information Studies  
 A.A., Cypress College  
 B.S., California State University, Dominguez Hills  
 M.L.S., University of California, Los Angeles

**Martino, Danielle L. (2006)**

Professor of Astronomy  
 B.S., California State University, Fullerton  
 M.S., San Diego State University

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 B.A., Interdisciplinary Studies, National University  
 M.E., Cross-Cultural Teaching, National University  
 M.S., Physical Education, Azusa Pacific University

**Mettler, Mary (2007)**

Professor of Disabled Students Programs and Services  
 B.S., Communication Disorders, Boston University  
 M.S., Speech-Language Pathology, Boston University  
 Psy.D., M.A., Clinical Psychology, Pepperdine University

**Miller, Robert (2011)**

Associate Professor of Art  
B.F.A., Art, Columbia College, Chicago  
M.F.A., Art, California State University, Fullerton

**Miranda, Veronica (2023)**

Assistant Professor of English  
B.A., English, California State University, San Bernardino  
M.A., Rhetoric & Composition, California State University, San Bernardino  
M.F.A., Writing, California College of the Arts

**Murphy, Ryan (2017)**

Associate Professor, English  
B.A., English Literature, California State University, San Bernardino  
M.A., English Composition, California State University, San Bernardino  
Ph.D., English Literature, Claremont Graduate University

**Nguyen, Steven (2017)**

Associate Professor of Chemistry  
B.S., Biochemistry & Cell Biology, University of California, San Diego  
M.S., Chemistry, University of California, San Diego  
Ph.D., Chemistry, University of California, San Diego

**Nguyen, Tuyen (2015)**

Associate Dean, Admissions/Records  
A.A., Liberal Arts, Santiago Canyon College  
B.A., Management, California State Polytechnic University, Pomona  
M.A., Management, University of Redlands

**Oase, Daniel (2016)**

Associate Professor of Career Education  
B.A., Psychology, University of California, Berkeley  
M.B.A., University of California, Irvine

**Parks, Jason (2023)**

Vice President of Academic Affairs  
Ed.D., Educational Leadership, University of Southern California  
M.A., Mathematics, University of California, Riverside  
B.A., Mathematics, University of California, Riverside

**Pecenkov, Nidzara (2015)**

Associate Professor of English  
M.A., English, Chapman University  
M.F.A., Creative Writing, Chapman University

**Petrocelli, Rachel (2016)**

Associate Professor of History  
B.S., French, Georgetown University  
M.A., History, Stanford University  
Ph.D., History, Stanford University

**Pham, Elaine (2016)**

Associate Professor of High School Subjects and Adult Basic Education  
A.A., Mathematics, Orange Coast College  
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M.A., Social and Cultural Analysis of Education, California State University, Long Beach

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B.A., California State University, Fullerton  
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Interim Dean  
B.A., Liberal Arts, California State University, Long Beach  
M.A., Reading and Literacy, Walden University

**Rabii-Rakin, Narges (2004)**

Professor of History and Political Science  
B.A., California State University, Fullerton  
M.A., History, California State University, Fullerton  
M.A., Political Science, California State University, Long Beach  
Ed.D., University of Southern California

**Reed, Stephen (2007)**

Professor of History  
B.A., History and Spanish, University of California, Riverside  
M.A., B.A., History, University of California, Riverside  
M.A., History, University of Notre Dame

**Roe, Maureen (2000)**

Professor of English  
B.A., English and Philosophy, Chapman University  
M.A., English Literature, Chapman University  
M.Ed., Curriculum and Instruction, American Intercontinental University

**Rutan, Craig (2005)**

Professor of Physics and Engineering  
M.S., Physics, University of California, Irvine  
M.S., B.S., Electrical Engineering, University of California, Irvine

**Sakamoto, Scott (2001)**

Professor of Mathematics  
B.S., University of California, Santa Barbara  
M.A., M.S., Ph.D., University of Arizona  
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**Salazar de la Torre, Rosa (1996)**

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B.S., California State Polytechnic University, San Luis Obispo  
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**Salcido, Andy (1998)**

Professor of Business, Computer Information Systems & Marketing  
B.S., Computer Information Systems, Chapman University  
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**Salcido, Denise (2016)**

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B.A., Organizational Communication, Pepperdine University  
B.A., Speech Communication, Pepperdine University  
M.S., Human Resources Management, Chapman University

**Samura, Michelle (2022)**

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B.A., Religious Studies, University of California, San Diego  
California Single Subject Teaching Credential in Social Sciences, California State Polytechnic University, Pomona  
M.A., Education, University of California, Santa Barbara  
Ph.D., Education, University of California, Santa Barbara

**Sanchez, Sandra (2017)**

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B.S., Biology, Cal State Fullerton, Fullerton  
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M.A., Public Administration, California State University of San Bernardino  
Ed.D., Leadership and Change, Fielding Graduate University

**Shields, Jolene (2008)**

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 B.A., Women's Studies, University of Missouri-Columbia  
 B.A., Sociology, University of Missouri-Columbia  
 M.A., Sociology, University of Missouri-St. Louis  
 Ph.D., Comparative Studies, Florida Atlantic University

**Smith, Mark (2007)**

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 B.A., Zoology, California State University, Stanislaus  
 M.A., Ecology and Evolution, California State University, Sonoma

**Sproat, Barbara (2001)**

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 B.A., University of Minnesota, Duluth  
 M.L.S., University of Minnesota, Minneapolis  
 M.A., Children's Literature, Hollins University

**Stringer, Martin (2008)**

Dean of Mathematics & Sciences  
 B.Ed., University of London  
 M.Ed., Azusa Pacific University

**Swift, Cynthia J. (2006)**

Professor of Physics  
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 B.S., Physics, University of California, Irvine  
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**Taber, Alexander G. (1999)**

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 Ph.D., M.A., Economics, University of Chicago

**Taylor, Mike (2004)**

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 M.S., Chemistry, University of California, Berkeley

**Tragarz, Roberta (2000)**

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**Valdos, Yanina (2017)**

Associate Professor, Anthropology-Physical  
 B.A., Anthropology, concentration in Archeology, UC San Diego  
 M.A., Anthropology, Tulane University

**Van Dyke-Kao, Rita (2019)**

Associate Professor/Coordinator of ESL  
 B.A., English, Trinity Western University  
 M.A., Teaching English to Speakers of Other Languages (TESOL), Azusa Pacific University

**Vargas, Jose F. (2004)**

Vice President of Continuing Education  
 A.A., East Los Angeles College  
 B.S., Business Administration, California State University, Dominguez Hills  
 M.A., Education Administration, California State University, Dominguez Hills

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 B.S., Mathematics, University of Houston  
 M.A., Mathematics, University of Houston

**Voelcker, Aaron (2012)**

Dean of Institutional Effectiveness, Library & Learning Support Services  
 A.S., Math and Science, College of the Canyons  
 B.A., Psychology, University of California, Irvine  
 M.S., Administration, California State University, Bakersfield

**Vu, Binh (2011)**

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 B.A., M.M., California State University, Northridge  
 D.M.A., Claremont Graduate University

**Vu, Vivien (2015)**

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 B.S., Human Services, California State University, Fullerton  
 M.S., California State University, Long Beach

**Wada, Jeffrey (2011)**

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**Wagner, Joyce (1999)**

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 B.A., Mathematics, California State University, San Bernardino  
 M.A., Ph.D., Mathematics, University of California, Los Angeles

**Woodhead, Ian (2001)**

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 BSc (Hons), Psychology, Portsmouth Polytechnic (England)  
 Single Subject Teaching Credential, Mathematics, California State University, Long Beach  
 M.Ed., Education (Physical Education), Azusa Pacific University

**Wright, K. Laney (2002)**

Professor of Mathematics  
 B.A., Mathematics, Murray State University  
 M.A., Mathematics Education, California State University, Fullerton  
 Ph.D., Mathematics Education, Claremont Graduate University

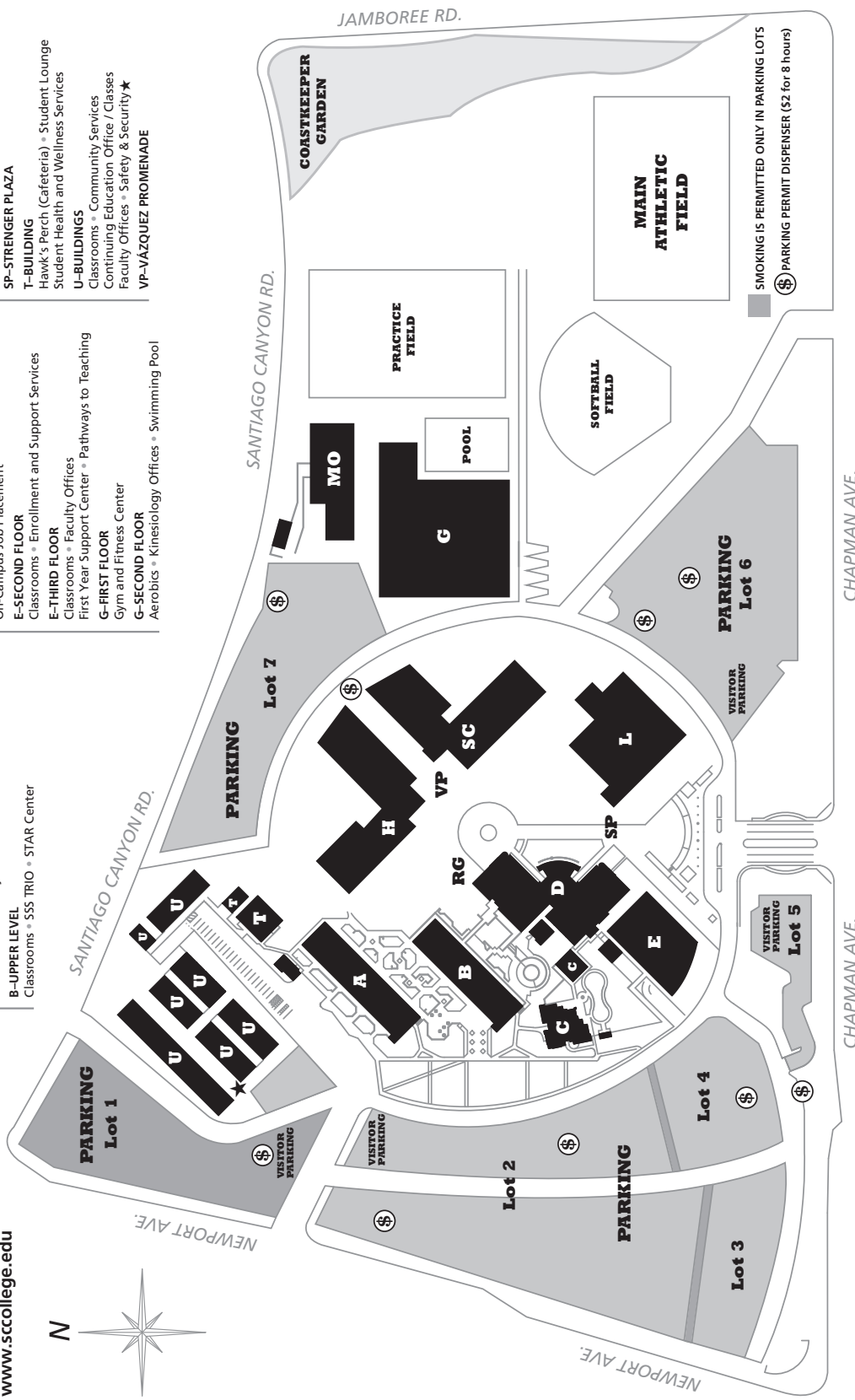


# Santiago Canyon College

8045 East Chapman Avenue  
 Orange, CA 92869  
 714-628-4900  
[www.sccollege.edu](http://www.sccollege.edu)



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- H-HUMANITIES BUILDING**  
Classrooms • Faculty Offices  
Information Technology • Language Lab  
Writing Center
- L-LIBRARY**  
Instructional Design Center
- MO-MAINTENANCE & OPERATIONS**  
District Publications • District Warehouse
- RG-ROSE GARDEN**
- SC-SCIENCE CENTER**  
Classrooms • Faculty Offices • Science Labs
- SP-STRENGER PLAZA**
- T-BUILDING**  
Hawk's Perch (Cafeteria) • Student Lounge  
Student Health and Wellness Services
- U-BUILDINGS**  
Classrooms • Community Services  
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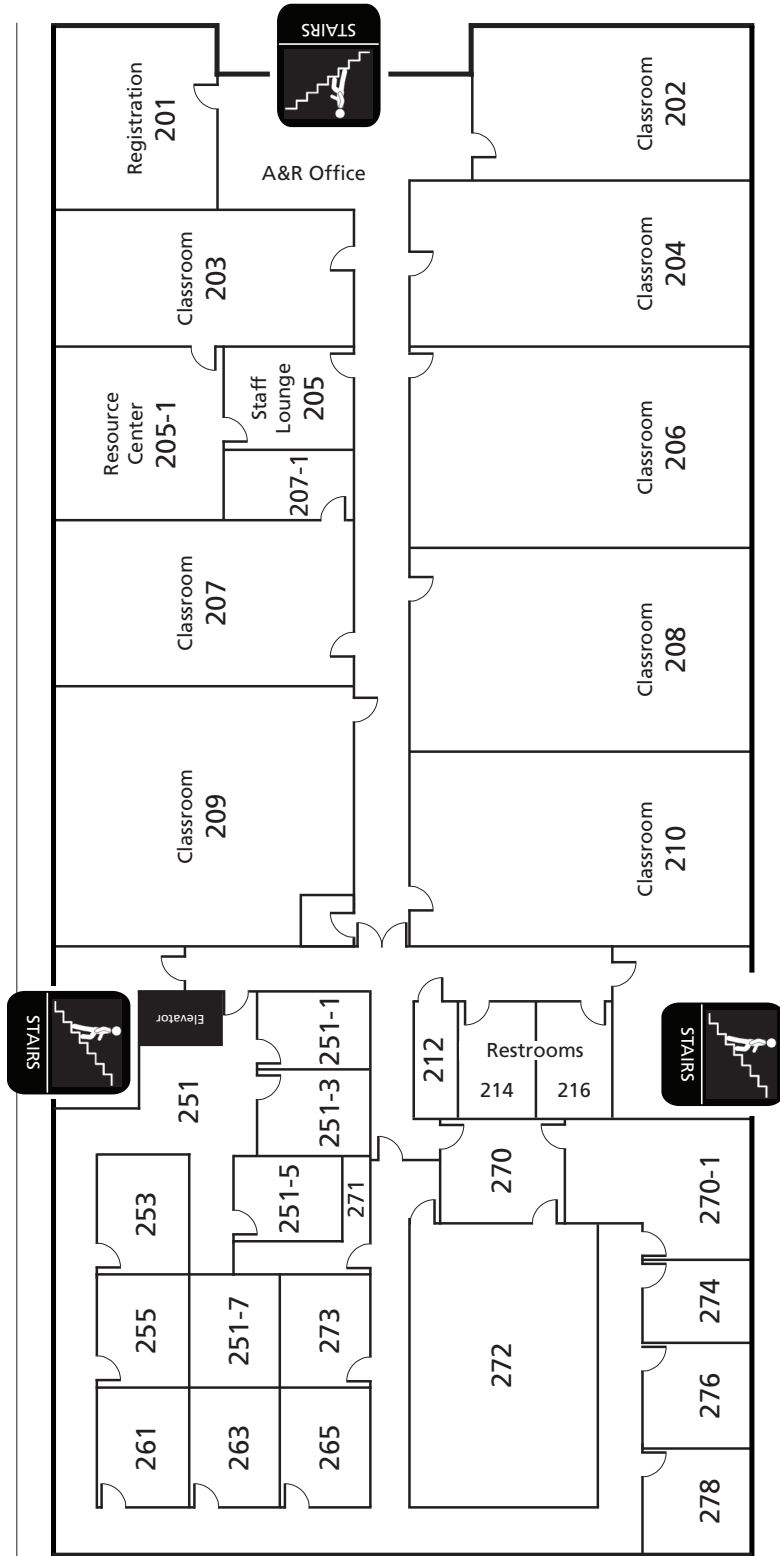
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1937 West Chapman Avenue, 2nd Floor  
Orange, CA 92868  
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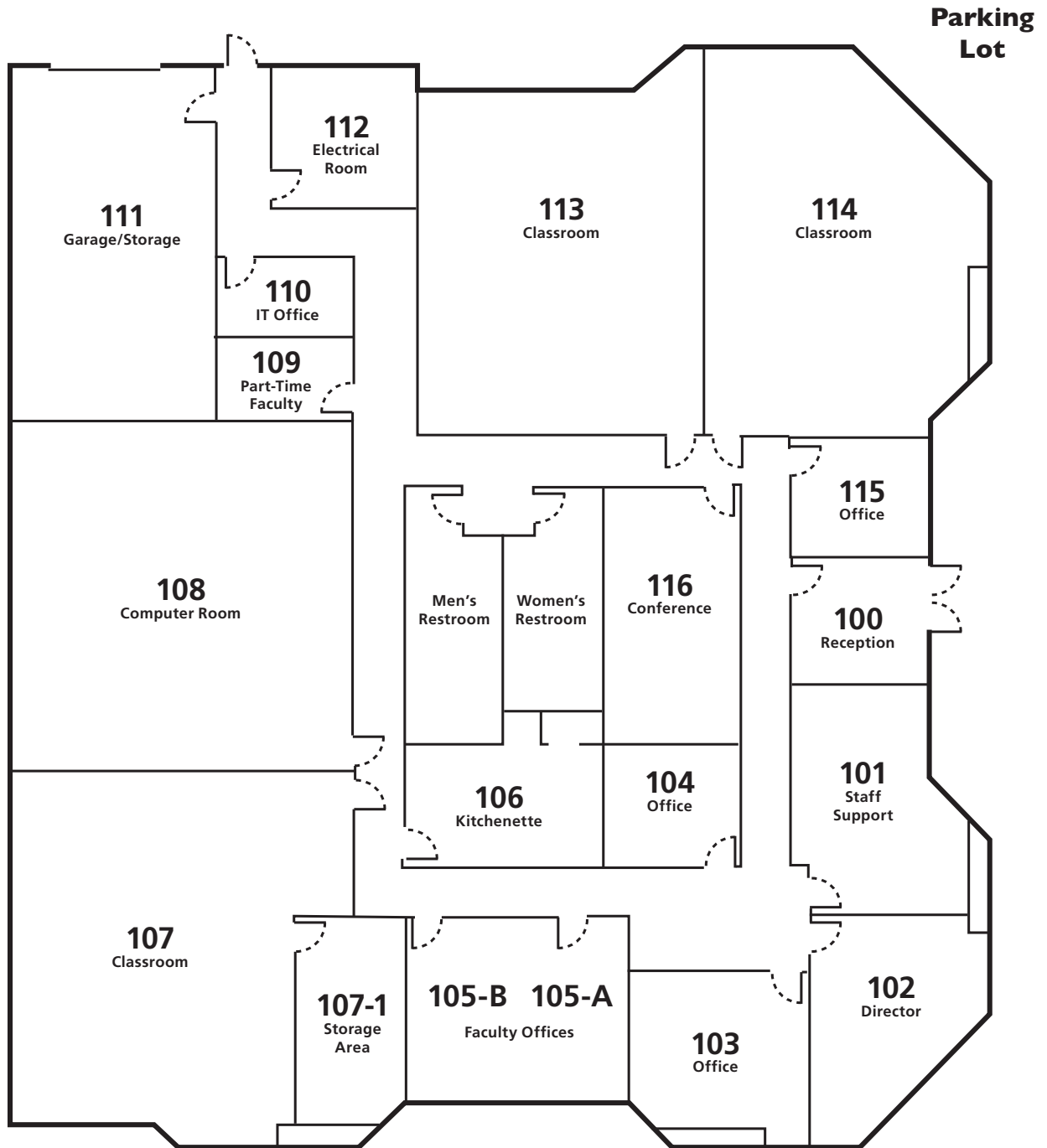


# COLLEGE AND WORKFORCE PREPARATION CENTER

1572 North Main Street

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North Main Street





# Santiago Canyon College

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## Orange Education Center

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